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website:http://biz.LGservice.com

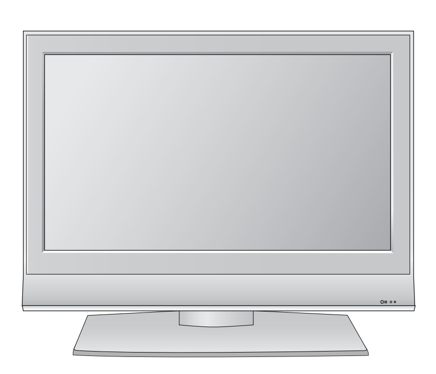
TELEVISOR A LCD
MANUAL DE SERVICIO

CHASIS : LP78B

MODELO : 42LC4R 42LC4R-MD

ATENCIÓN

Antes de dar servicio al chasis, lea las PRECAUCIONES DE SEGURIDAD en este manual.



CONTENIDO

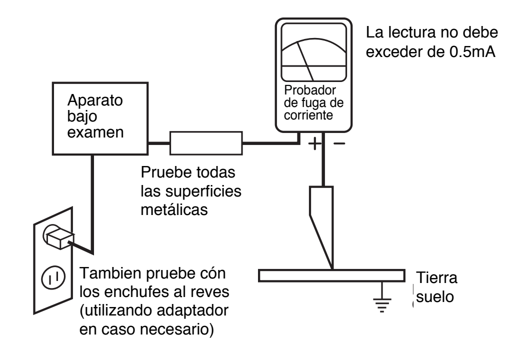
PRECAUCIONES DE SEGURIDAD

ADVERTENCIA: Antes de dar servicio a este chasis, lea "PRECAUCIONES RESPECTO A RADIACION POR RAYOS X", "INSTRUCCIONES DE SEGURIDAD" y "AVISO SOBRE SEGURIDAD DE PRODUCTOS"

INSTRUCCIONES DE SEGURIDAD

1. Cuando el receptor está en operación, se producen voltajes potencialmente tan altos como 25,000-29,000 voltios. Operar el receptor fuera de su gabinete o con la tapa trasera removida puede causar peligro de choque eléctrico.
   (1) Nadie debe intentar dar servicio si no está debidamente familiarizado con las precauciones que son necesarias cuando se trabaja con un equipo de alto voltaje.
   (2) Siempre descargue el ánodo del tubo de la imagen a tierra para evitar el riesgo de choque eléctrico antes de remover la tapa del ánodo.
   (3) Descargue completamente el alto potencial del tubo de imagen antes de manipularlo. El tubo de la imagen es de alto vacío y, si se rompe, los fragmentos de vidrio salen despedidos violentamente.
2. Si se quemara algún fusible de este receptor de televisión, reemplácelo con otro especificado en la lista de partes.
3. Cuando reemplace tableros o plaquetas de circuitos, cuidadosamente enrolle sus alambres alrededor de las terminales antes de soldar.
4. Cuando reemplace un resistencia de vataje (resistor de película de óxido metálico) en el Tablero o Plaqueta de circuitos, mantenga la resistencia a un mínimo de 10mm de distancia.
5. Mantenga los alambres lejos de componentes de alto voltaje o de alta temperatura.
6. Este receptor de televisión debe conectarse a una fuente de 100 a 240 V AC.
7. Antes de devolver este aparato al cliente, haga una verificación de fuga de corriente sobre las partes metálicas del gabinete expuestas, tales como antenas, terminales, cabezas de tornillos, tapas de metal, palancas de control etc., para estar seguro de que el equipo funciona sin peligro de choque eléctrico. Enchufe el cordón directamente al tomacorriente de la línea de AC 100-240V.

No utilice una línea aislada de transformador durante esta verificación. Use un voltímetro de 1000 Ohmios por voltio de sensibilidad o más, en la forma que se describe a continuación.
Cuando la unidad está ya conectada a la AC, pulse el conmutador primero poniéndolo en "ON" (encendiendo) y luego en "OFF" (apagando), mida desde un punto de tierra conocido, tal como una (cañería de metal, una manija metálica, una tubería etc.) a todas las partes metálicas expuestas del receptor de televisión (antenas, manijas de metal, gabinetes de metal, cubiertas de metal, palancas de control etc.,) especialmente cualquiera de las partes metálicas expuestas que puedan ofrecer un camino hacia el chasis. Ninguna medición de corriente eléctrica debe exceder de 0.5 miliamperios. Repita la prueba cambiando la posición del enchufe en el tomacorriente. Cualquier medición que no esté dentro de los límites especificados aquí representan un riesgo potencial de choque eléctrico que debe ser eliminado antes de devolver el equipo al cliente.



AVISO SOBRE SEGURIDAD DE PRODUCTOS

Muchas de las partes, electricas y mecánicas en este chasis tienen caracteristicas relacionadas con la seguridad. Estas caracteristicas frecuentemente pasan desapercibidas en las inspecciones visuales y la proteccion que proporcionan contra la RADIACION DE RAYOS-X no siempre necesariamente se obtiene al mismo grado cuando se reemplazan piezas o componentes diseñados para voltajes o vatajes mayores, etc. Las piezas que tienen estas caracteristicas de seguridad se identifican por la marca ⚠ impresa sobre el diagrama esquematico y la marca ★ impresa en la lista de partes. Antes de reemplazar alguno de esos componente, lea cuidadosamente la lista de este manual. El uso de partes de reemplazo que no tengan las mismas caracteristicas de seguridad, como se especifica en la lista de partes, puede crear Radiacion de Rayos-X.

ESPECIFICACIONES

NOTA: las especificaciones que reflejan mejoras en los productos están sujetos a cambios sin previo aviso.

1. Rango de aplicación

Esta hoja de especificaciones es aplicada a la TV LCD que utiliza la carcasa LP78B.

2. Especificación

Cada pieza se somete a una serie de pruebas como las siguientes sin necesidad de solicitar citas especiales.

(1) Temperatura : 25±5º (77±9º), CST : 40±5º
(2) 2.2 Humedad relativa : 65±10%
(3) Potencia/Voltaje : voltaje de entrada estándar (100~240 V a 50/60 Hz)
 * El voltaje estándar de cada producto está marcado por modelos.
(4) La especificación y rendimiento de cada una de las piezas puede seguirse en cada dibujo y especificación por número de pieza conforme a BOM.
(5) El receptor debe ser operado durante aproximadamente 20 minutos antes del ajuste.

3. Método de prueba

(1) Rendimiento : se ha seguido el método de prueba de la TV LGE.
(2) Se demanda otra especificación
 Seguridad : Especificación CE, IEC
 EMC : CE, IEC

4. Especificación general (MÓDULO LCD DE 26/27/32/37/42”)

Nº	Elemento	Especificación			Medidas	Resultado	Observaciones
1	Dispositivo de visualización en pantalla	Módulo de visualización en color de 37/42"					LCD
2	Proporción de aspecto	16 : 9					
3	Módulo LCD	LCD TFT WXGA de 37/42 pulg.					FABRICANTE: AUO/CMO/LPL/CPT
4	Entorno operativo	1) Temp. : 0 ~ 40ºC 2) Humedad : 0 ~ 85%					ESPEC. LGE
5	Entorno de almacenamiento	1) Temp. : -20 ~ 60ºC 2) Humedad : 0 ~ 85%					
6	Tensión de entrada	100 ~ 240 V de CA, 50/60 Hz					
7	Consumo de potencia	Encendido (verde) ≤ TBD (42”) ≤ máx. (37”)					Volumen: 1/8 volumen del punto de distorsión del sonido
		En espera (rojo) : 1,0 W					
8	Módulo LCD	AUO	Dimensiones exteriores	37”	877.0 x 514.6 x 54.7	mm	(A) x (V) x (P)[con inversor]
			Separación entre píxeles	37”	0.6 x 0.6	mm	
			Luz de fondo	37”	10 luces U		
		LPL	Contorno Dimensión	37”	877.0 x 516.8 x 55.5	mm	(A) x (V) x (P) [con inversor]
				42”	1006 x 610 x 56		
			Separación entre píxeles	37”	0.200 x 0.600	mm	
				42”	0.227 x 0.681		
			Luz de fondo	37”	20 EEFL		(LC260WX2-SLB3)
				42”	20 CCFL		
		Colores en pantalla			16,7M (16,777,216)		(LPL 26”)
		Revestimiento			3H,AG		

5. Módulo LCD

Nº	Elemento			Min	Tipo	Máx.	Unidad	Fabricante	Observaciones
1	Luminosidad			360	450			LPL(ATW) 37”	- 50 cm de la superficie
	(Modo PC W/O)			400	450		cd/m²	LPL(ATW), 42”	- Patrón blanco completo
				400	500			LPL(0RT) 37", 42”	
2	Ángulo de visión (D/I, A/A)				178/178		grado	LPL 37” 42”	- CR >10
3	Coordenadas	Blanco	X	Tipo	0,279/0,279/0,279	Tipo			- LPL 37”/ 42”
			Y	-0,03	0,292/0,292/0,292	+0,03			
		Rojol	X		0,635/0,636/0,635				
			Y		0.339/0,343/0,344				
		Verde	X		0,282/0,284/0,286				
			Y		0,606/0,615/0,614				
		Azul	X		0,145/0,144/0,146				
			Y		0,064/0,063/0,061				
4	Relación de contraste			700	900			37"	LPL (0- RT)
	(Modo PC W/O)			800	1000			42"	LPL (0- RT)
5	Variación de luminosidad					1,3			

6. Entrada del vídeo componente (Y, P_B, P_R)

Nº	Resolución	Frec.-H (kHz)	V-frec.(kHz)	Reloj de píxeles (MHz)	Propuesto
1.	720*480	15.73	59.94	13.500	SDTV, DVD 480I(525I)
2.	720*480	15.75	60.00	13.514	SDTV, DVD 480I(525I)
3.	720*576	15.625	50.00	13.500	SDTV, DVD 576I(625I) 50Hz
4.	720*480	31.47	59.94	27.000	SDTV 480P
5.	720*480	31.50	60.00	27.027	SDTV 480P
6.	720*576	31.25	50.00	27.000	SDTV 576P 50Hz
7.	1280*720	44.96	59.94	74.176	HDTV 720P
8.	1280*720	45.00	60.00	74.250	HDTV 720P
9.	1280*720	37.50	50.00	74.25	HDTV 720P 50Hz
10.	1920*1080	33.72	59.94	74.176	HDTV 1080I
11.	1920*1080	33.75	60.00	74.250	HDTV 1080I
12.	1920*1080	28.125	50.00	74.250	HDTV 1080I 50Hz,

7. Entrada RGB (PC analógico)

Nº	Resolución	Frec.-H (kHz)	V-frec.(kHz)	Reloj de píxeles (MHz)	Propuesto	Observaciones
1.	640*350	31.468	70.80	25.17	EGA	
2.	720*400	31.469	70.80	28.321	DOS	
3.	640*480	31.469	59.94	25.17	VESA(VGA)	
4.	800*600	37.879	60.31	40.00	VESA(SVGA)	
5.	1024*768	48.363	60.00	65.00	VESA(XGA)	
6	1280*768	47.776	59.87	79.50	WXGA	XGA only
7	1360*768	47.720	59.799	84.75	WXGA	XGA only
8	1366*768	47.720	59.799	84.75	WXGA	XGA only

8. Entrada HDMI (DTV)

Nº	Resolución	Frec.-H (kHz)	V-frec.(kHz)	Reloj de píxeles (MHz)	Propuesto	Observaciones
1	720*480	15.75	60.00	13.514	SDTV, DVD 480I(525I)	support(not spec)
2	720*480	15.73	59.94	13.500	SDTV, DVD 480I(525I)	support(not spec)
3	720*576	15.625	50.00	13.500	SDTV, DVD 576I(625I) 50Hz	support(not spec)
4	720*480	31.47	59.94	27.000	SDTV 480P	
5	720*480	31.50	60.00	27.027	SDTV 480P	
6	720*576	31.25	50.00	27.000	SDTV 576P 50Hz	
7	1280*720	44.96	59.94	74.176	HDTV 720P	
8	1280*720	45.00	60.00	74.250	HDTV 720P	
9	1280*720	37.50	50.00	74.25	HDTV 720P 50Hz	
10	1920*1080	33.72	59.94	74.176	HDTV 1080I	
11	1920*1080	33.75	60.00	74.250	HDTV 1080I	
12	1920*1080	28.125	50.00	74.250	HDTV 1080I 50Hz	
13	1920*1080	67.432	59.94	148.350	HDTV 1080P	
14	1920*1080	67.5	60	148.5	HDTV 1080P	
15	1920*1080	56.250	50	148.5	HDTV 1080P 50Hz	

9. Condición de fábrica SET

Nº	Elemento		Ajustes		Observaciones
1.	CONFIGUR ACIÓN	Sintonización automática:	Para iniciar		
		Sintonización manual	TV	2	
			Memoria	ACT.	
			Bien		
		Canal preferido	-- -----		
2.	Imagen	Modo de imagen	Dinámica		
		Temperatura de color			desactivar
		XD	Automático		
		Avanzada	Cine : Apagado		
			Nivel de negro : bajo (MODO HDMI) alto (MODO AV)		
		Proporción de aspecto	16: 9		
		Reinic. imagen	Para establecer		
		Pantalla	Para establecer		
		XD Demo	Para iniciar		
3.	Sonido	Modo sonido	Estándar		
		Volumen autom.	Apagado		
		Balance	0		
		Altavoz	Encendido		
4.	Horas	Reloj	--: --		
		Tiempo apagado	--: --		
			Apagado		
		Tiempo encendido	--: --		
			Can. TV2		
			Vol. 30		
			Apagado		
		Apagado automático	Apagado		
		Apagado automático	Apagado		
5.	OPCIÓN	Idioma	Inglés		Conforme a demanda del cliente, PR
		Subtítulos/Texto	Apagado		
		SIMPLINK	Encendido		
		Bloqueo de controles	Apagado		

10. Especificación mecánica

Nº	Elemento		Content				Observaciones
1.	Producto Dimensión		Anchura	Longitud	Altura	Unidad	
		Previo al embalaje	1032.7	289	750	mm	EQUIPO (con soporte)
		Tras el embalaje	1125	374	857	mm	
2.	Producto Peso	Sólo el EQUIPO	24.5				
		Con CAJA	20				

INSTRUCCIÓN DE AJUSTE

1. Rango de aplicación

Esta hoja de especificaciones es aplicable a todas las TV (PP78A/B) PDD de 42/50 pulgadas y TV (LP78A/B) LCD de 26/32/37/42 pulgadas fabricadas en plantas LG de TV de todo el mundo.

2. Especificación

1) El aislamiento de este chasis no es del tipo de carga y no es necesario usar el transformador de aislamiento. Sin embargo, el uso de un transformador de aislamiento le ayudará a proteger los instrumentos de pruebas.
2) Los ajustes deben realizarse en el orden correcto.
3) Los ajustes deben efectuarse bajo condiciones de 25±5° C de temperatura y un 65±10% de humedad relativa, si no existen más designaciones específicas.
4) La tensión de entrada del receptor debe mantenerse dentro del rango de 100~220 V, 50/60 Hz.
5) Antes de realizar los ajustes, active el funcionamiento durante 30 minutos.

3. Elementos de ajuste

3.1. Elementos de ajuste del montaje de la PCI

1) Descargue el software principal VCTP (IC500,VCT_Pro)
2) Memoria de canales (IC501,EEPROM)
3) Ajuste de la portadora de color

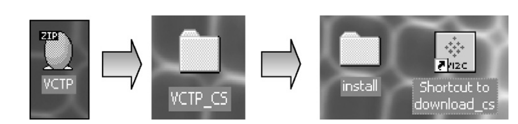
3.2. Elementos de ajuste del montaje del EQUIPO

1) Entrada de datos DDC
2) Ajuste de balance de blancos
3) Comparar entrada de datos opcional

4. Método de ajuste del montaje de la PCI

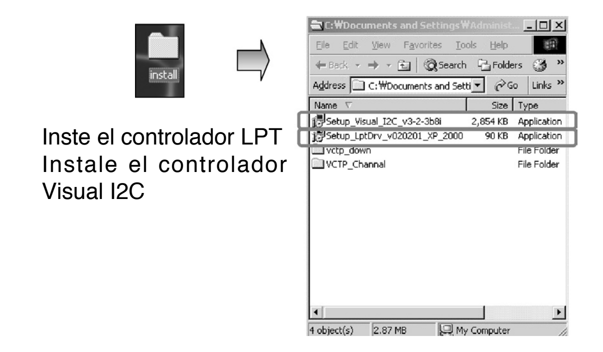
4.1. Descargar instalación del programa

(1) Extraer un archivo Zip

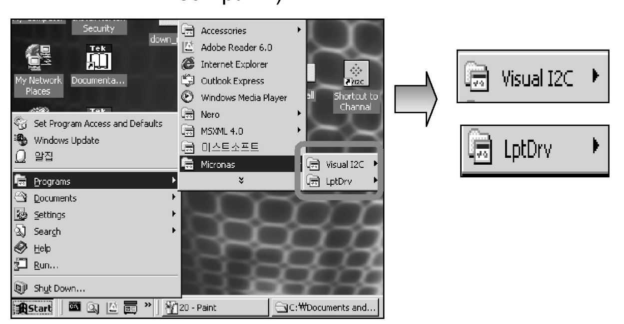


(2) Instalación del controlador Visual I2C y LPT

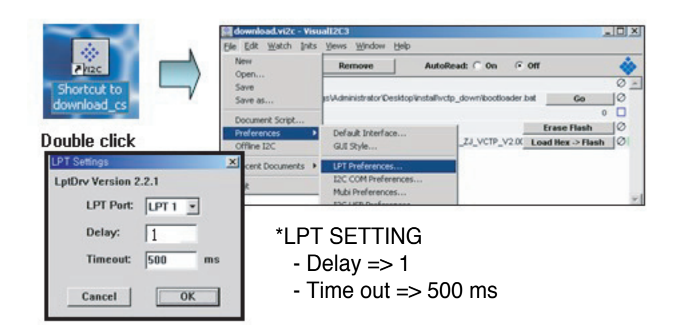
Inste el controlador LPT
Instale el controlador Visual I2C



(3) Verificação (Iniciar > Programas > Micronas > Visual I2C ou LptDrv)

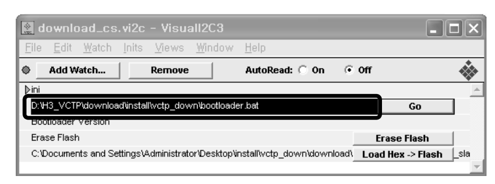


(4) Ajuste del retardo LPT (Archivo > Preferencia > Preferencias LPT..)

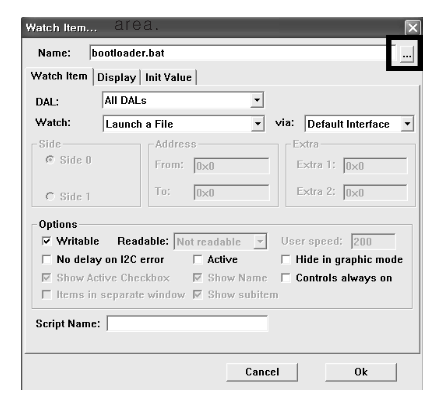


*LPT SETTING
- Delay => 1
- Time out => 500 ms

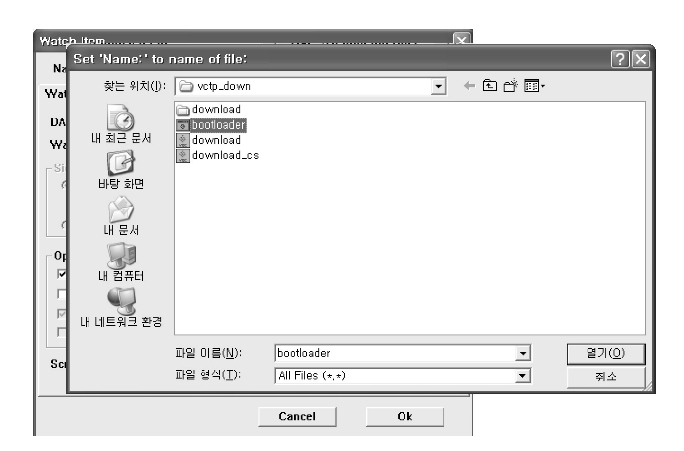
(5) Intercambie el archivo bootloader.bat



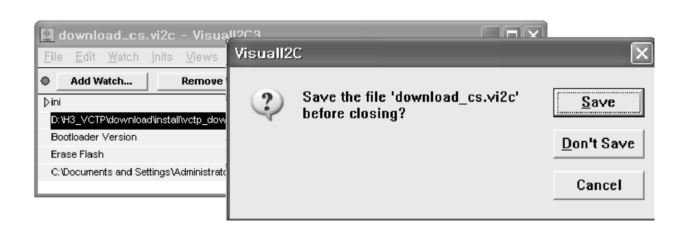
▶ Double click the Red



▶ Double click the Red



=> Seleccione el archivo "bootloader.bat" (instalar > VCTP _download > bootloader)



=> Presione "OK"

=> Finalice el programa, tras guardar el archivo "download_cs.vi2c"

(Si hace clic en X, el mensaje aparecerá automáticamente)

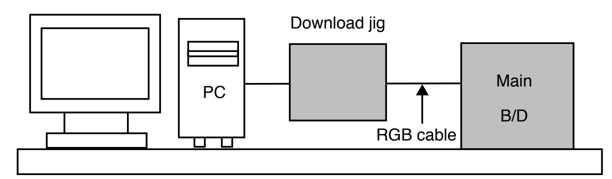
4.2. Descarga del programa de SW

(1) Perfil : para la descarga del software a la memoria flash del vctp (IC500)

(2) Equipamiento

1) PC
2) Programa Visual IIC
3) Adaptador de descarga

(3) Estructura de conexión

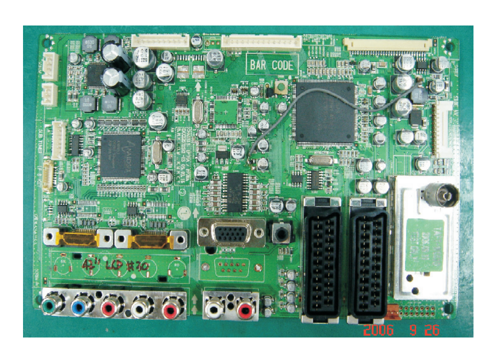


(4) Estado de conexión

1) Nombre IC y número de circuito: VCTp y IC500
2) Tensión de uso: 3,3 V (5 clavijas)
3) SCL : 15 clavijas
4) SDA : 12 clavijas
5) Tiempo de tac.: aprox. 1 minuto y 20 segundos

(5) Método de descarga

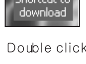
1) Método de descarga1 (montaje de la PCI)



(A) Conecte el adaptador de descarga de la toma D-sub

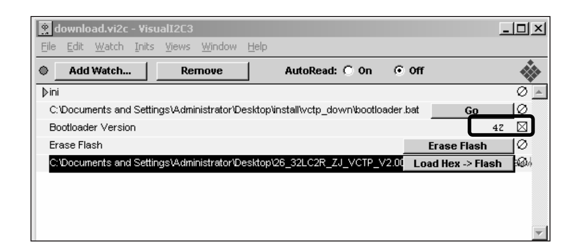
(B) Ejecute el programa ‘Download.vi2c’ en el PC, mediante el que se abrirá una ventana principal





Double click

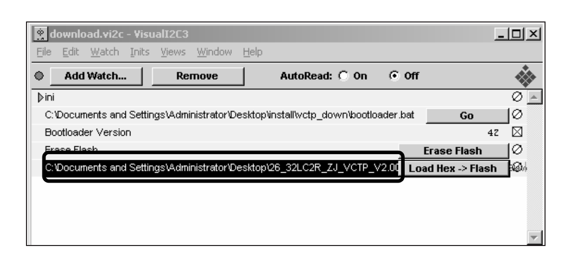
(C) Haga doble clic en el cuadro rojo y confirme que la "Versión del Bootloader" es la 42.



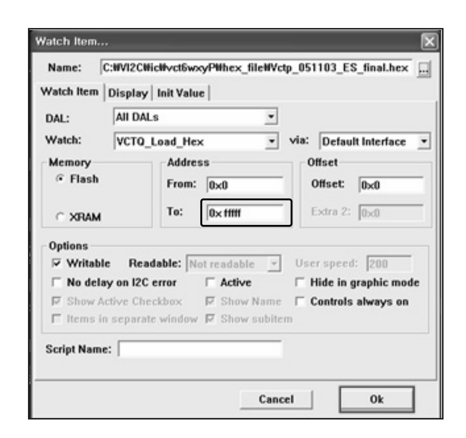
(D) Haga clic en el botón "Borrar Flash"



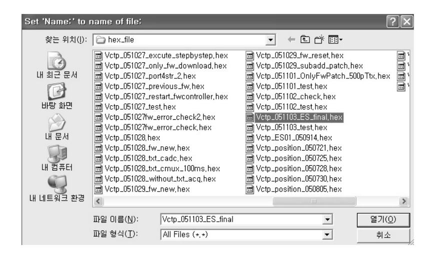
(E) Haga doble clic en el archivo descargado y se abrirá la ventana "editar".



(F) Haga clic en el botón de selección de la "ventana editar"; a continuación se abrirá la "ventana selección de archivo"

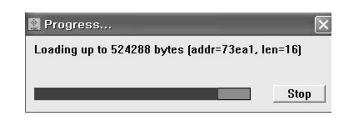


(G) Seleccione el archivo Hex en la carpeta y ejecute la descarga haciendo clic en el botón "abrir".



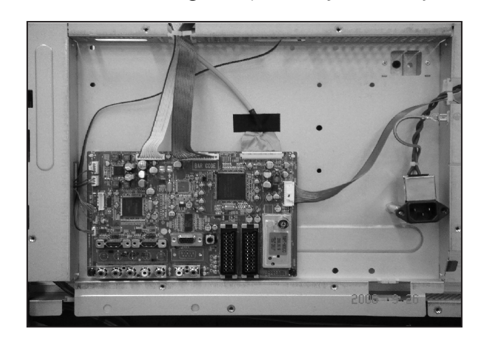
(H) Haga clic en el botón OK en la "ventana editar"

(I) Bajo el proceso de descarga

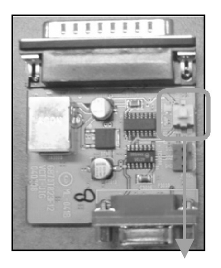


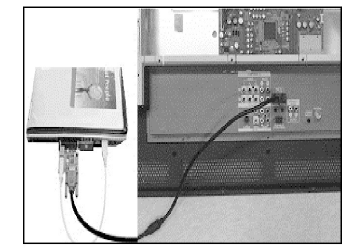
(J) Si la descarga falla, por ejemplo "Sin reconocimiento del equipo esclavo", ejecute de nuevo la descarga en (1)

2) Método de descarga 2 (montaje de la placa AV)



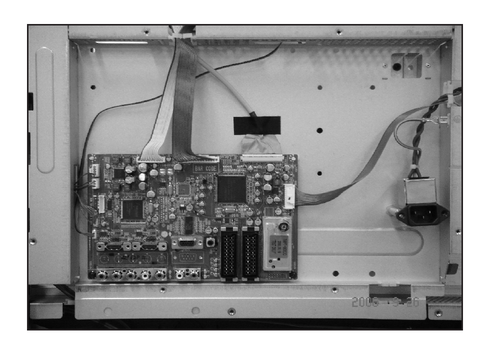
(A) Presione S/W ‘ON" (conecte SCL a GND mediante el interruptor en el adaptador) y conecte el adaptador de descarga a la toma D-sub



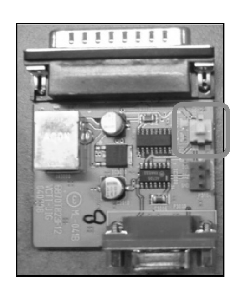


Push S/W

(B) Active el suministro de potencia (en espera 5 V) y espere 3 segundos



(C) Presione el S/W ‘OFF’ (desconecte el SCL de GND mediante el interruptor en el adaptador)



Push S/W

(D) Ejecute el programa ‘Download.vi2c’ en el PC, mediante el que se abrirá una ventana principal



Double click



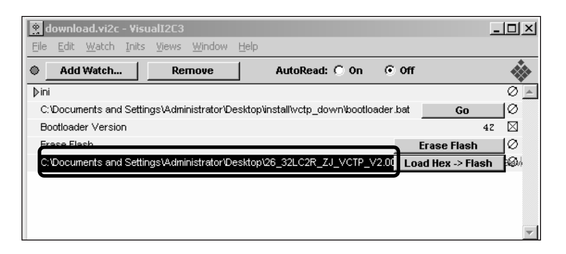
(E) Haga doble clic en el cuadro azul y confirme que la "Versión del Bootloader" es la 42.



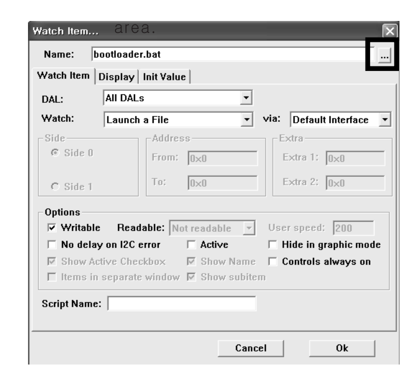
(F) Haga clic en el botón "Borrar Flash"



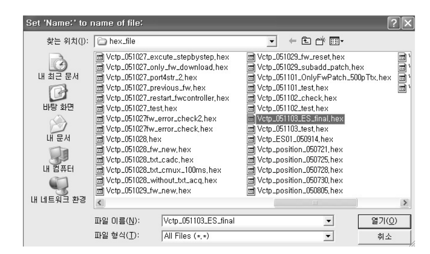
(G) Haga doble clic en el archivo descargado y se abrirá la ventana "editar".



(H) Haga clic en el botón de selección de la "ventana editar"; a continuación se abrirá la "ventana selección de archivo".



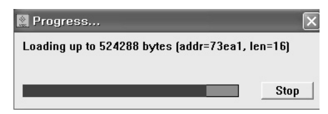
(I) Seleccione el archivo Hex en la carpeta y ejecute la descarga haciendo clic en el botón "abrir".



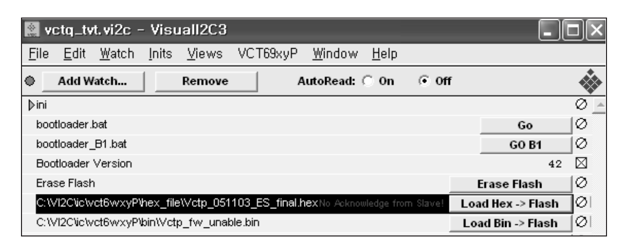
(J) Haga clic en el botón OK en la "ventana editar"



(K) Descargando

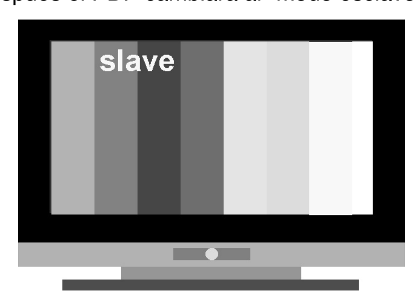


(L) Si la descarga falla, por ejemplo "Sin reconocimiento del equipo esclavo", ejecute de nuevo la descarga en (1)

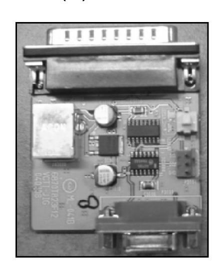


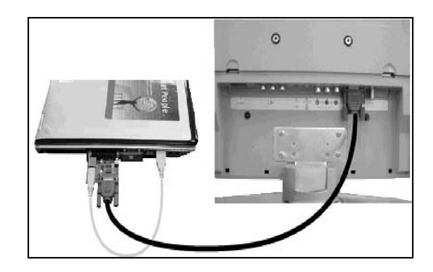
3) Método de descarga 3 (EQUIPO)

(A) Presione el botón "Tilt" y ajuste el mando a distancia; después el PDP cambiará al "modo esclavo"



(B) Conecte el adaptador a la TV mediante un cable D-sub

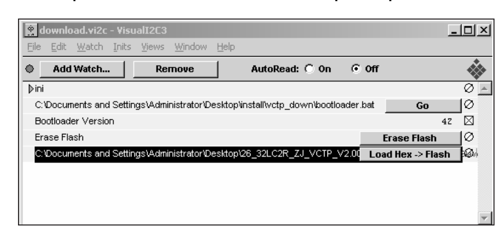




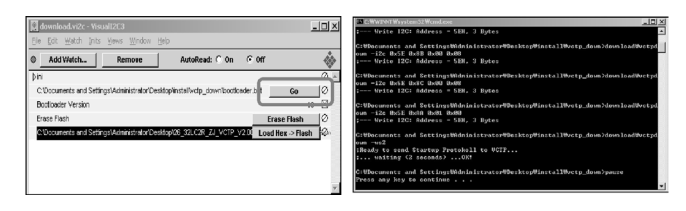
(C) Ejecute el programa 'Download_CS.vi2c' en el PC, mediante el que se abrirá una ventana principal.



Double click



(D) Haga clic en el botón "GO".



Si no presiona "GO", el archivo Hex no será descargado, pese a que la descarga continuará aparentemente de forma normal.

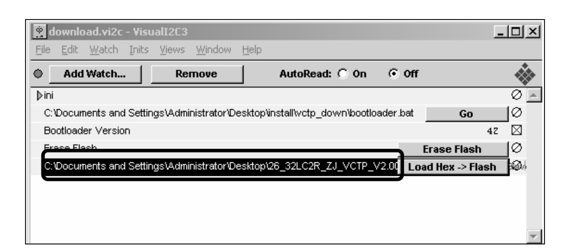
(E) Haga doble clic en el cuadro azul y confirme que la "Versión del Bootloader" es la 42.



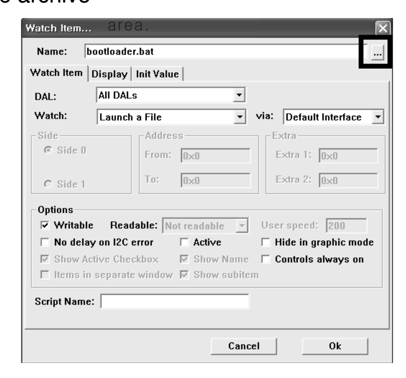
(F) Haga clic en el botón "Borrar Flash"



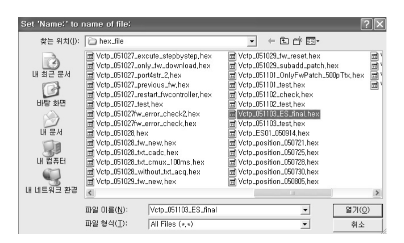
(G) Haga doble clic en el archivo descargado y se abrirá la ventana "editar".



(H) Haga clic en el botón de selección de la "ventana editar"; a continuación se abrirá la "ventana selección de archivo"



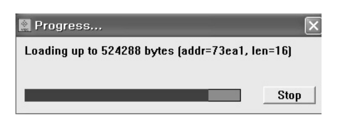
(I) Seleccione el archivo Hex en la carpeta y ejecute la descarga haciendo clic en el botón "abrir".



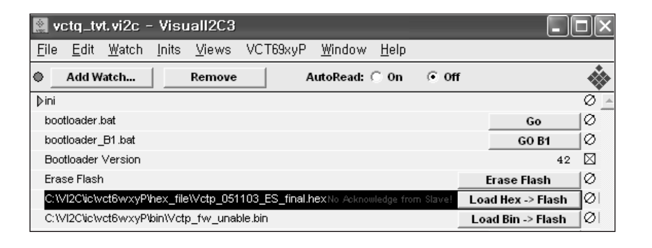
(J) Haga clic en el botón OK en la "ventana editar"



(K) bajo el proceso de descarga



(L) Si la descarga falla, por ejemplo "Sin reconocimiento del equipo esclavo", ejecute de nuevo la descarga en (1)

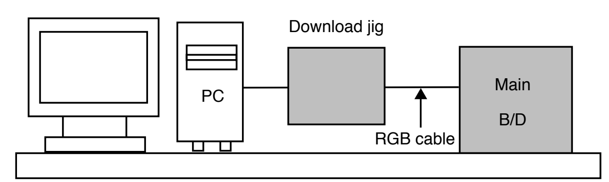


4.3. Descarga de la memoria de canales

(1) Perfil : para la descarga de la memoria de canales a Eeprom (IC501), para comprobar el equipo sin problemas en la TV.

(2) Equipamiento
   1) PC
   2) Programa Visual IIC
   3) Adaptador de descarga

(3) Estructura de conexión

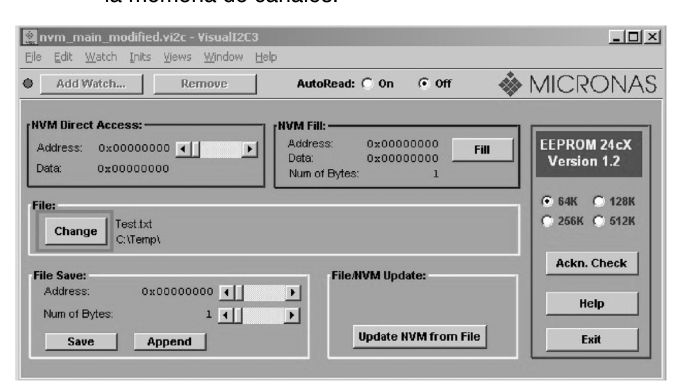


(4) Estado de conexión
   1) Nombre IC y número de circuito: VCTp y IC500
   2) Tensión de uso: 3,3 V (5 clavijas)
   3) SCL : 15 clavijas
   4) SDA : 12 clavijas
   5) Tiempo de tac.: aprox. 3 segundos

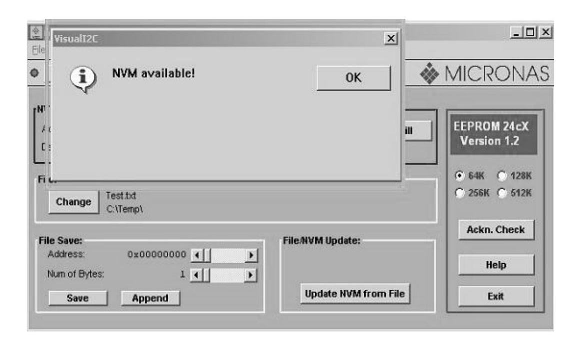
(5) Método de transferência
   1) Ligue o dispositivo de transferência ao conector D-sub.
   2) `Execute o programa 'Channel.vi2c' no PC; será aberta uma janela principal.



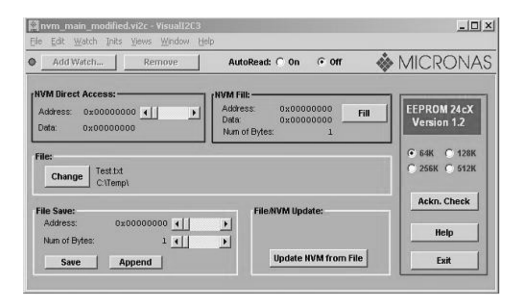
   3) Presione el botón de cambio y seleccione los datos de la memoria de canales.



4) Compruebe si la comunicación es o no correcta.
=> presione el área Lectura (Comprobación de reconoc.) y compruebe que el mensaje OK aparece dentro del área azul.



.5) (5) Presione la opción Actualizar NVM en Archivo.

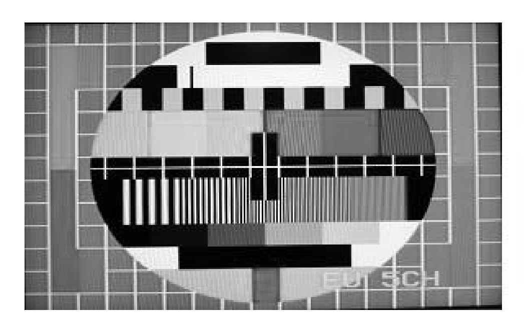


4.4. Opción HERRAMIENTAS, Cambio de opción de área

(1) Perfil: el valor de opción debe modificarse por si difiere de algún valor de ajuste, dependiendo del módulo, pulgadas y mercado.
(2) Equipamiento: mando a distancia de ajuste
(3) Método de ajuste
Antes de comprobar PCBA, es necesario cambiar los valores opcionales de la opción Herramientas y Área a continuación.
(De no modificar la opción, el menú de entrada podría diferir de las especificaciones del modelo)
Los métodos de entrada son los mismos que otros equipos. (Utilice la tecla Ajuste en el mando a distancia).

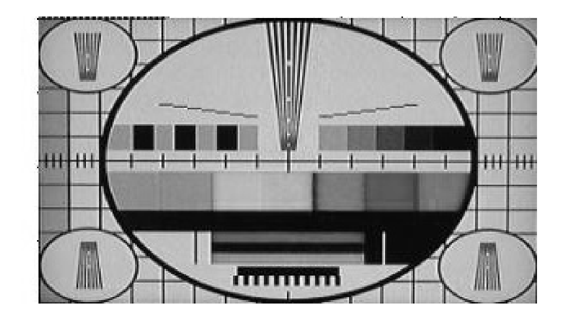
4.5. Ajuste de la portadora de color (proceso de inspección)

(1) Perfil : para establecer el margen de desviación de la portadora de color dentro de las especificaciones.
1) Equipamiento : mando a distancia de ajuste
Señal Pal RF
2) Conexión : la TV debe conectarse a la señal Pal RF (EU 5CH)
3) Método de ajuste
a Sintonizar la señal RF
ZB, TB : PAL Philips Pattern (con barra de colores)



b.Presione la tecla "adj" en el mando a distancia correspondiente.

4) Equipamiento: mando a distancia de ajuste
Señal NTSC RF
5) Conexión : la TV debe conectarse a la señal NTSC RF (US 4CH)
6) Método de ajuste
a Sintonizar la señal RF
MD : NTSC - US 4CH



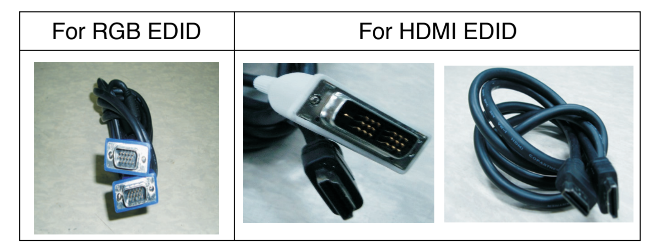
b Presione la tecla "adj" en el mando a distancia correspondiente.

5. Método de ajuste del montaje del EQUIPO

* Precaución : Cada montaje de PCI debe comprobarse mediante Comprobar JIG
(debido a posibles daños en el montaje de la PCI al módulo PDP, tenga especial cuidado)

5.1. Descarga EDID (datos ampliados de identificación de pantalla)/DDC (canal de datos de pantalla)

(1) Perfil : a fin de permitir el método "plug-and-play"
(2) Equipamiento
1) Ajuste del PC con S/W para la escritura de datos EDID. (S/W : EDID TESTER Ver.2.5)
2) Un adaptador para la descarga EDID
3) Cable: cable D-sub de 15 clavijas, cable HDMI

For RGB EDID	For HDMI EDID
	

(3) Estructura de conexión

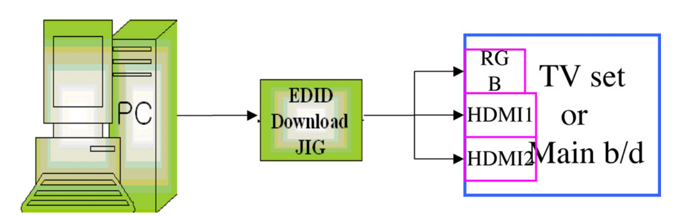
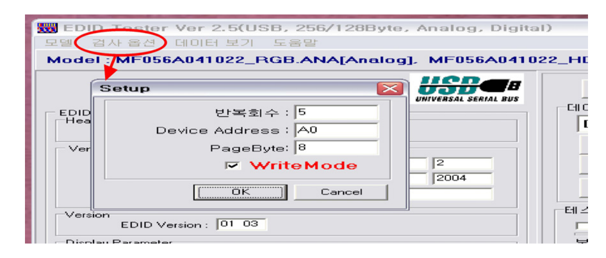


Fig. 5 Diagrama de conexión de la descarga DDC

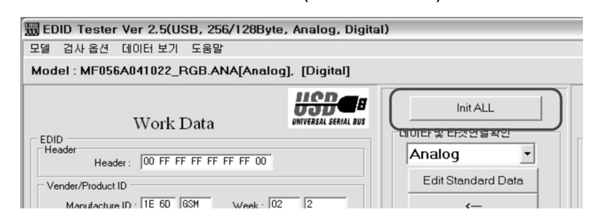
-> Precaución : - No conecte nunca la HDMI y el cable D-SUB al mismo tiempo.
- Utilice los cables adecuados, a continuación, para la escritura EDID

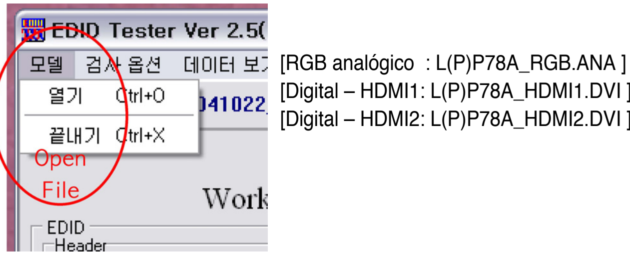
(4) Preparación para el ajuste
1) Como en la anterior Fig. 5, Conecte el equipo, el adaptador de descarga EDID, el PC y el cable
2) Encienda el PC y el adaptador de descarga EDID. Y ejecue el S/W : EDID TESTER Ver.2.5
3) Configure la opción de S/W
Nº de repetición : 5
Dirección del dispositivo : A0
PageByte : 8



4) Encienda el equipo

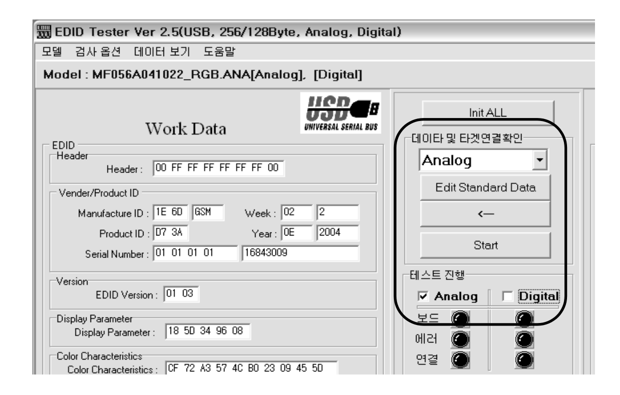
(5) Secuencia de ajuste
1) Datos DDC de RGB analógico
1.1. Inicie los datos
1.2. Suba los datos EDID. (Abrir archivo).



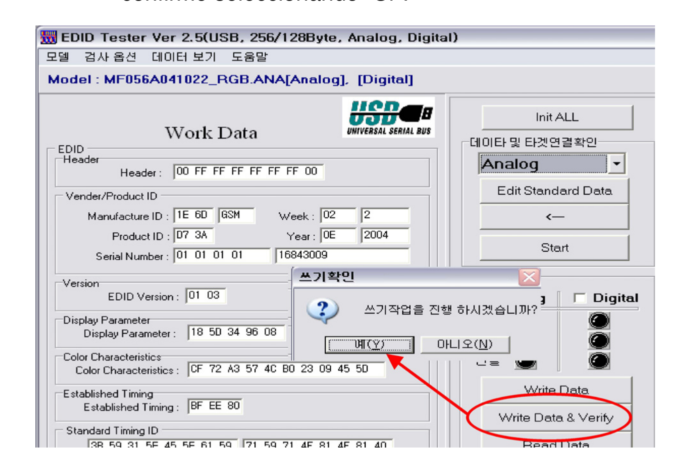


[RGB analógico : L(P)P78A_RGB.ANA]
[Digital – HDMI1: L(P)P78A_HDMI1.DVI]
[Digital – HDMI2: L(P)P78A_HDMI2.DVI]

1.3. Configure el S/W como se detalla a continuación.



1.4. Presione el botón "Escribir datos y verificar". Y confirme seleccionando "Sí".



1.5. Si ha completado el proceso de escritura, podrá observar el mensaje "OK".

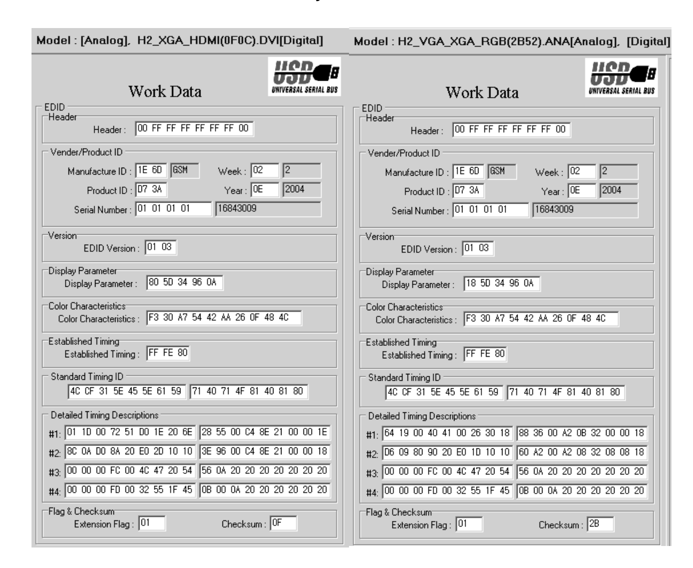


Fig. 6 DATOS EDID

(6) Datos EDID

< Analógico (RGB) >

Addr	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0000	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
0010	ⓒ		01	03	08	46	27	78	0A	D9	B0	A3	57	49	9C	25
0020	11	49	4B	A1	08	00	31	40	01	01	01	01	45	40	01	01
0030	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
0040	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
0050	40	80	37	00	BC	88	21	00	00	18	00	00	00	FD	00	3A
0060	3F	1F	32	09	00	0A	20	20	20	20	20	20	ⓓ			
0070	ⓓ														00	ⓓ

< Digital1 (HDMI/DVI 1) >

Addr	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0000	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
0010	ⓒ		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
0020	11	49	4B	81	08	00	01	01	01	01	01	01	45	40	01	01
0030	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
0040	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
0050	40	80	37	00	BC	88	21	00	00	18	ⓓ					
0060	ⓓ												00	00	00	FD
0070	00	32	4B	1C	43	0F	00	0A	20	20	20	20	20	20	01	ⓔ
0080	02	03	23	F1	50	01	07	16	02	03	11	12	13	04	14	85
0090	20	21	22	1F	10	23	09	07	07	83	01	00	00	65	03	0C
00A0	00	10	00	01	1D	00	80	51	D0	1C	20	40	80	35	00	BC
00B0	88	21	00	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E	96
00C0	00	13	8E	21	00	00	18	8C	0A	A0	14	51	F0	16	00	26
00D0	7C	43	00	C4	8E	21	00	00	98	01	1D	80	18	71	1C	16
00E0	20	58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	00	00
00F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ⓔ

< Digital 2 (HDMI 2) >

Addr	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0000	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
0010	ⓒ		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
0020	11	49	4B	81	08	00	01	01	01	01	01	01	45	40	01	01
0030	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
0040	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
0050	40	80	37	00	BC	88	21	00	00	18	ⓓ					
0060	ⓓ												00	00	00	FD
0070	00	32	4B	1C	43	0F	00	0A	20	20	20	20	20	20	01	ⓔ
0080	02	03	23	F1	50	01	07	16	02	03	11	12	13	04	14	85
0090	20	21	22	1F	10	23	09	07	07	83	01	00	00	65	03	0C
00A0	00	20	00	01	1D	00	80	51	D0	1C	20	40	80	35	00	BC
00B0	88	21	00	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E	96
00C0	00	13	8E	21	00	00	18	8C	0A	A0	14	51	F0	16	00	26
00D0	7C	43	00	C4	8E	21	00	00	98	01	1D	80	18	71	1C	16
00E0	20	58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	00	00
00F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ⓔ

< Analógico (RGB) >

Addr	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0000	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
0010	ⓒ		01	03	08	46	27	78	0A	D9	B0	A3	57	49	9C	25
0020	11	49	4B	A1	08	00	31	40	01	01	01	01	45	40	01	01
0030	61	40	01	01	01	01	D5	09	80	A0	20	E0	2 D	10	08	60
0040	22	00	98	06	32	08	08	18	64	19	00	40	41	00	26	30
0050	18	88	36	00	98	06	32	00	00	18	00	00	00	FD	00	3A
0060	3F	1F	32	09	00	0A	20	20	20	20	20	20	ⓓ			
0070	ⓓ														00	ⓔ

< Digital1 (HDMI/DVI 1) >

Addr	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0000	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
0010	ⓒ		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
0020	11	49	4B	81	08	00	01	01	01	01	01	01	45	40	01	01
0030	61	40	01	01	01	01	D5	09	80	A0	20	E0	2D	10	08	60
0040	22	00	98	06	32	08	08	18	64	19	00	40	41	00	26	30
0050	18	88	36	00	98	06	32	00	00	18	ⓓ					
0060	ⓓ												00	00	00	FD
0070	00	3A	3F	1F	32	09	00	0A	20	20	20	20	20	20	01	ⓔ
0080	02	03	20	F1	4D	01	06	07	15	16	02	03	11	12	13	04
0090	14	85	23	09	07	07	83	01	00	00	65	03	0C	00	10	00
00A0	01	1D	00	80	51	D0	1C	20	40	80	35	00	BC	88	21	00
00B0	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00	13	8E
00C0	21	00	00	18	01	1D	80	18	71	1C	16	20	58	2C	25	00
00D0	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	00	00	00
00E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ⓔ

< Digital 2 (HDMI 2) >

Addr	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0000	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
0010	ⓒ		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
0020	11	49	4B	81	08	00	01	01	01	01	01	01	45	40	01	01
0030	61	40	01	01	01	01	D5	09	80	A0	20	E0	2D	10	08	60
0040	22	00	98	06	32	08	08	18	64	19	00	40	41	00	26	30
0050	18	88	36	00	98	06	32	00	00	18	ⓓ					
0060	ⓓ												00	00	00	FD
0070	00	3A	3F	1F	32	09	00	0A	20	20	20	20	20	20	01	ⓔ
0080	02	03	20	F1	4D	01	06	07	15	16	02	03	11	12	13	04
0090	14	85	23	09	07	07	83	01	00	00	65	03	0C	00	20	00
00A0	01	1D	00	80	51	D0	1C	20	40	80	35	00	BC	88	21	00
00B0	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00	13	8E
00C0	21	00	00	18	01	1D	80	18	71	1C	16	20	58	2C	25	00
00D0	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	00	00	00
00E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ⓔ

-> Las opciones de detalles EDID son las siguientes (ⓐ, ⓑ, ⓒ, ⓓ, ⓔ)

ⓐ ID del producto

Nombre del modelo	ID del producto		
	DEC	HEX.	Tabla EDID
42LC4R	40075 (A)	9C8B	8B9C
	40076 (D)	9C8C	8C9C
37LC4R	30119 (A)	75A7	A775
	30120 (D)	75A8	A875

ⓑ Nº de serie
-> Controlado en la línea de producción

ⓒ Mes, año
-> Controlado en la línea de producción:
Ej.) Mensualmente : '03' -> '03'
Año : '2005' -> '0F'

ⓓ Nombre del modelo: nombre del modelo -> LG TV

* LG TV

Nombre del modelo	Nombre del modelo (HEX)																	
LG TV	00	00	00	FC	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20

ⓔ Suma de verificación (7EH)
-> Modificable mediante el total de datos EDID

5.2. Ajuste para balance de blancos

(1) Finalidad y principios del ajuste de la temperatura del color

1) Objetivo : Ajuste la temperatura del color para reducir la desviación de ésta del módulo.

2) Principio : Ajustar el balance de blanco sin saturación. Fijar la ganancia R/G/B en 80 y reducir las demás.

(2) Modo de ajuste : Dos modos, Frío y Cálido (los datos medios se calibran automáticamente mediante los datos fríos)

(3) Equipo necesario

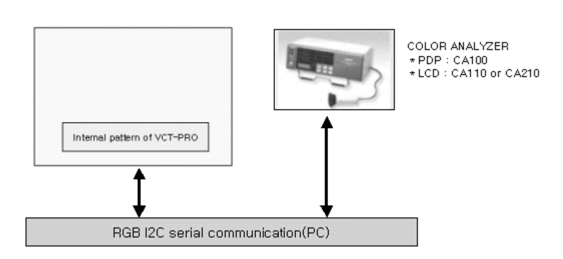
1) Mando a distancia para realizar el ajuste

2) Analizador de color : CA-100+ o CA-210, o un producto similar

- LCD TV (ch : 9),
- PLASMA TV (ch : 10)

3) Instrumental de ajuste B/N automático (solo para el Ajuste automático)

(4) Diagrama de conexión del equipamiento de medición (para el Ajuste automático)



(5) Método de descarga (Automático)

1) Entrar en el modo de ajuste del balance de blancos

- Al presionar la tecla Power para activar el producto, este entra en modo de calentamiento y de ajuste del balance de blancos. (Entre simultáneamente en el modo de ajuste del balance de blancos y en el de calentamiento al presionar la tecla Power).
- De esta forma se mantiene el modo de ajuste del balance de blancos con el mismo estado en el modo de calentamiento (se mantiene el patrón de calentamiento tras el encendido/apagado de la CA). (Mantenga el modo de ajuste del balance de blancos en el mismo estado que el calentamiento.

-> Manténgalo el patrón de calentamiento tras el encendido/apagado de la CA)

2) Salir del modo de ajuste del balance de blancos

- Una vez completado el modo de calentamiento, finalice el modo de ajuste tras encender/apagar el modo en espera o la CA. (Salga del modo de ajuste tras encender/apagar el modo en espera o la CA tras haber finalizado el modo de calentamiento).
- El modo de ajuste termina cuando el equipamiento de ajuste recibe el comando AGING-OFF (F3 00 00). (Saldrá del modo de ajuste cuando el equipamiento de ajuste reciba el comando AGING-OFF (F3 00 00).) Tras completar el ajuste mediante el equipamiento de ajuste, debería ser necesario enviar el comando AGING-OFF a la TV. (Es necesario transmitir el comando AGING-OFF a la TV una vez completado el ajuste.)

3) Coordenadas y la temperatura del color en al LCD/PDP al utilizar el equipamiento CA-100 ó CA210
(Coordenadas y temperatura del color estándar al utilizar el equipamiento CA-100+ ó CA210)

Modo	Coordenadas de cor		Temp.	Δuv
	X	Y		
Frío	0.276±0.002	0.283±0.002	11,000K	0.000
Media	0.285±0.002	0.293±0.002	9,300K	0.000
Cálida	0.313±0.002	0.329±0.002	6,500K	0.003

* Relación de sincronización entre PSM y CSM

PSM	CSM	Observaciones
Dinámica	Frío	
Estándar	Normal	
Suave	Cálida	

Establecer el comando de ajuste DDC

Nº	Contenido de ajuste	CMD(HEX)	ADR	VALOR	Detalles
1	Aging On/Off	F3	00	FF/00	OO: DESAC. 01: ACT. FF: WB Ready
2	Selección de entrada	F4	00		0x10: TV 0x20: AV1 0x21: AV2 0x23: AV3 0x40: componente 1 0x50: RGB DTV 0x60: RGB PC 0x90: HDMI1 DTV
3	GANANCIA R	16	00	00 - FE	Ganancia CSM FRÍO
4	GANANCIA G	18		00 - FE	
5	GANANCIA B	1A		00 -FE	
6	GANANCIA R	16	01	00 - FE	Ganancia CSM NORMAL
	GANANCIA G	18		00 - FE	
	GANANCIA B	1A		00 -FE	
	GANANCIA R	16	02	00 - FE	Ganancia CSM CÁLIDA
	GANANCIA G	18		00 - FE	
	GANANCIA B	1A		00 -FE	

* Valor máx. de la GANANCIA R/G/B GAIN : 80
* El valor mín. de luminosidad es 200cd/m^2 en modo frío (para LCD)

(6) Ajuste de balance de blancos para el ajuste manual

1) Modo de ajuste : Dos modos de Frío (dinámico) y Cálido (suave)
(los datos medios se calibran automáticamente mediante los datos fríos)

2) Equipamiento : 1. El analizador de color (CA100+, CA210) debe utilizarse en el canal calibrado por CS-1000(.(LCD : CH9, PDP : CH10)
2. Mando a distancia de ajuste

3) El ajuste manual también es posible mediante la siguiente secuencia.
Opere la calibración cero de CA-100+ ó CA-210, después coloque el sensor en el módulo durante el ajuste

1. Seleccione el patrón de blancos de calentamiento presionando la tecla "POWER ON" en el mando a distancia para el ajuste; después continúe el calentamiento durante más de 15 minutos.
   (De no realizar este paso, el estado de B/N variaría notablemente).
2. Cambie al modo AV mediante el mando a distancia (modo AV : av1 ó av2 ó av3)
3. Mostrar el patrón interno del VCT-Pro IC presionando IN-START.
4. Situar el sensor en el centro de la pantalla y seleccionar cada uno de los elementos (Ganancia y balance de rojo/verde/azul) mediante la tecla ▲/▼ (CH +/-) del mando a distancia.
5. Ajuste de la ganancia R/G/B mediante la tecla ◀/▶ (VOL +/-) del mando a distancia.
6. Ajuste de dos modos de Frío (dinámico) y Cálido (suave), como ilustra la siguiente figura
   (Fije una de las ganancias R/G/B y modifique las otras)
   * 1. Presione una vez la tecla In-start : Dinámico (frío)
   * Presione dos teclas PSM más o cambie mediante la tecla de dirección: Suave (cálido)

Modo	Coordenadas de cor		Temp.	Δuv
	X	Y		
Frío	0.276±0.002	0.283±0.002	11,000K	0.000
Media	0.285±0.002	0.293±0.002	9,300K	0.000
Cálida	0.313±0.002	0.329±0.002	6,500K	0.003

   * Consulte la tabla anterior para saber cuál es el valor fijo.

* CASE : Ajuste primero la coordenada lo más alejada del valor objetivo (x, y).
  (1) x, y > objetivo
    i) Reduzca la ganancia R, G.
  (2) x, y < objetivo
    i) Reduzca primero la ganancia B,
    ii) Reduzca una de las otras.
  - Si reduce la x, reducirá la R : G fija.
  - Si reduce la y, reducirá la G : R fija
  (3) x > objetivo, y < objetivo
    i) Primero reduzca la B, para que y sea ligeramente superior al objetivo.
    ii) Ajuste el valor x mediante la reducción de R
  (4) x < objetivo, y > objetivo
    i) Primero reduzca la B, para que x sea ligeramente superior al objetivo.
    ii) Ajuste el valor x mediante la reducción de G

7. Una vez finalizado el ajuste, salga del modo de ajuste mediante la tecla EXIT en el mando a distancia.

5.2. Introducción de datos de opción de envío

(1) Presione la tecla ADJ en un mando a distancia de ajuste
(2) Introduzca el número de opción especificado en el BOM, en el área de envío.
(3) Su labor ha finalizado, presione la tecla ■.

4. Valor predeterminado en modo de ajuste

(Los valores predeterminados pueden verse modificados por el estado del módulo)

(1) Balance de blancos

White Balance

RED	Gain	80
Green	Gain	80
Blue	Gain	80
Red	Offset	80
Green	Offset	80
Blue	Offset	80

Valor predeterminado en OSD

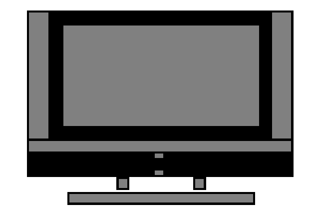
SOLUCIÓN DE PROBLEMAS

1. No power

(1) Symptom

1) It is not discharged minutely from the module.
2) Light does not come into the front LED.

(2) Check process



Is plug in power cord inserted ?
- No → Plug in a power cord
- Yes ↓

Is the Line Filter and PSU connected?
- No → Connect a cable. Plasma(CN1), LCD(SC100)
- Yes ↓

Is the fuse of PSU normal? Plasma(F101), LCD(f100)
- No → Replace the fuse.
- Yes ↓

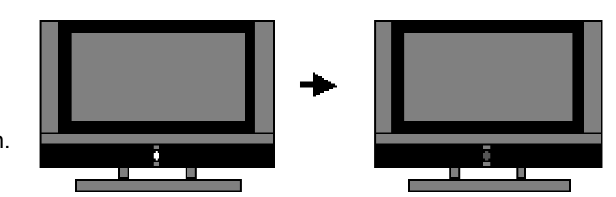
Is it connected that PSU and 13-14pin cable in VSC board?
- No → Connect the 13-14pin cable.
- Yes ↓

After all cables connect is removed to PSU, the AC voltage marking is authorized on manual.
When ST-by 5V is not operated, replace PSU.

2. Protect mode(PDP Only)

(1) Symptom

1) After once shining, it does not discharge minutely from module.
2) The relay falls.(The sound is audible "Click".)
3) It is converted with the color where the front LED is red from green.



(2) Check following

Is the Power Board normal ?
- No → Is output the normality Low/High voltage except Stand-by 5V?
  - No → Replace Power Board.
- Yes ↓

Is the each connector normal?
- No → After connecting well each connector, the normality it operates?
  - No → Replace the connector.
- Yes ↓

Is the Y-Board normal?
- No → Is the fuse (FS2,FS3) on Y-B/D normal? FS101, FS102
  - No → Is the output voltage normal after remove P1 connector of Y-B/D? → Replace Y-Board.
  - Yes → Replace the fuse.
- Yes ↓

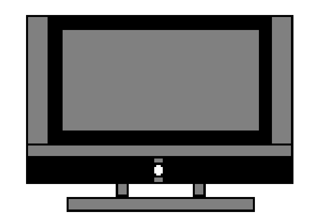
Is the Z-Board normal?
- No → Is the fuse (FS1,FS2) on Z-B/D normal?
  - No → Is the output voltage normal after remove P1 connector of Z-B/D? → Replace Z-Board.
  - Yes → Replace the fuse.
- Yes ↓

Is the X- Board normal?
- No → Is the output voltage normal after remove P1, 2, 3, 4, 5 connector of X-B/D? → After remove P1, P2, P3 output voltage normality: Replace Right X-B/D
After remove P4, P5 output voltage normality: Replace Left X-B/D

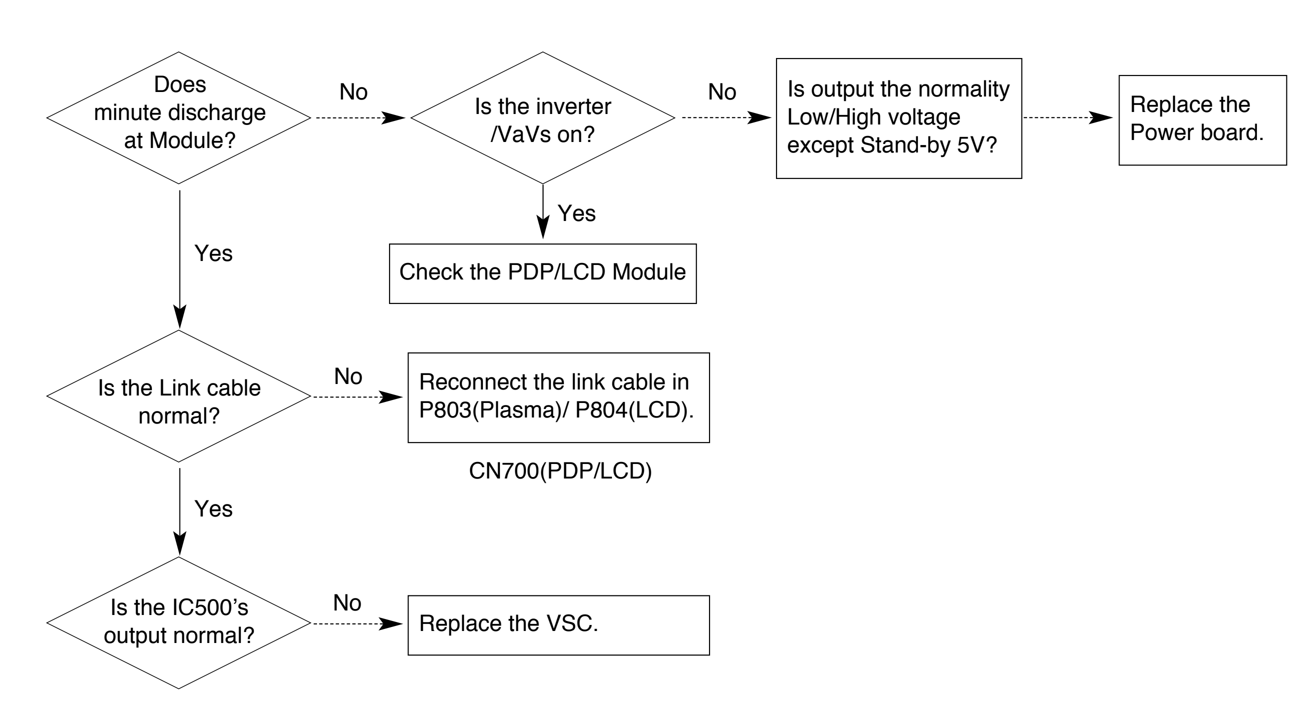
3. No Raster

(1) Symptom

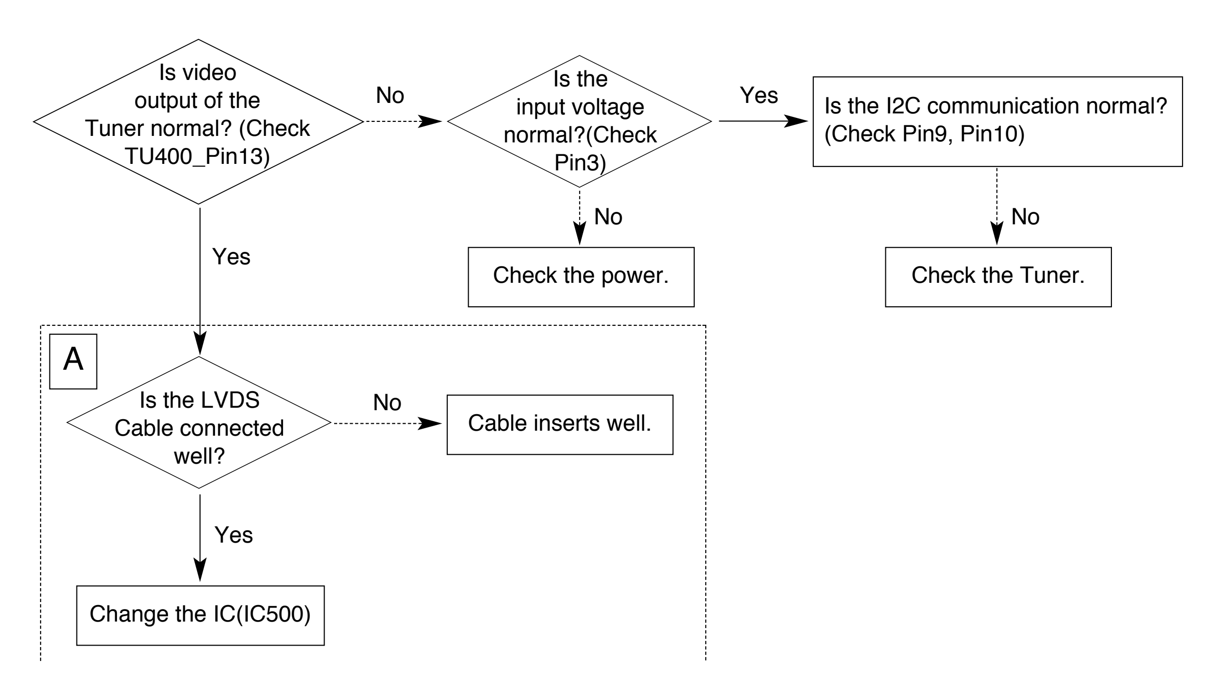
1) No OSD and image occur at screen.
2) It maintains the condition where the front LED is green.



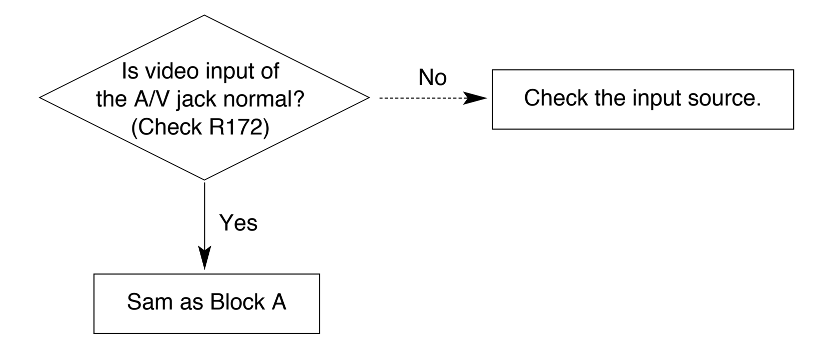
(2) Check following



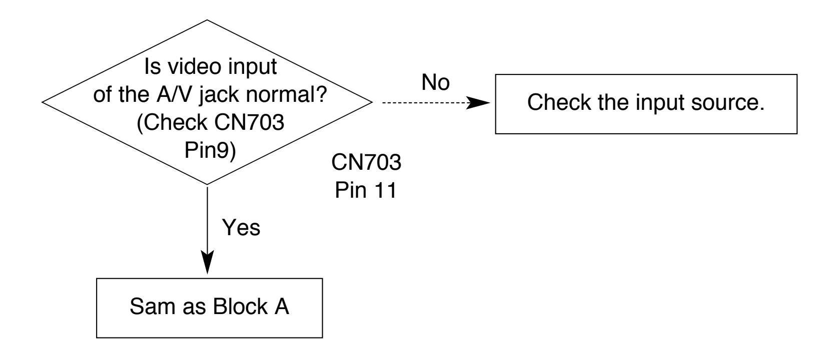
4. In case of becomes unusual display from RF mode.



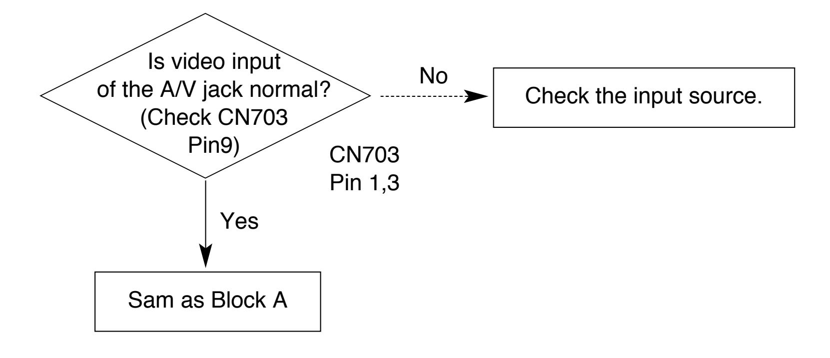
5. In case of becomes unusual display from rear AV mode.



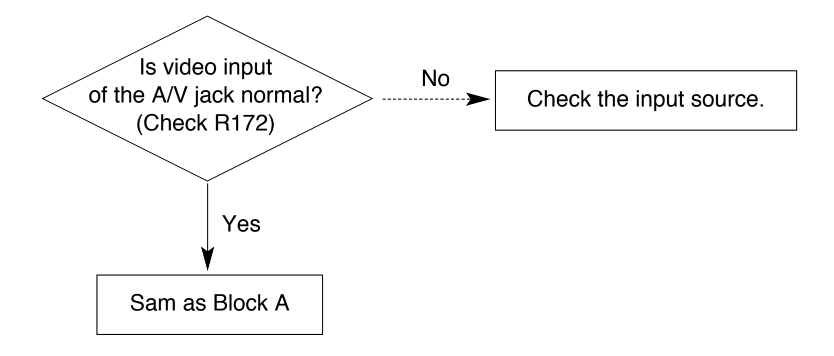
6. In case of becomes unusual display from Side AV mode.



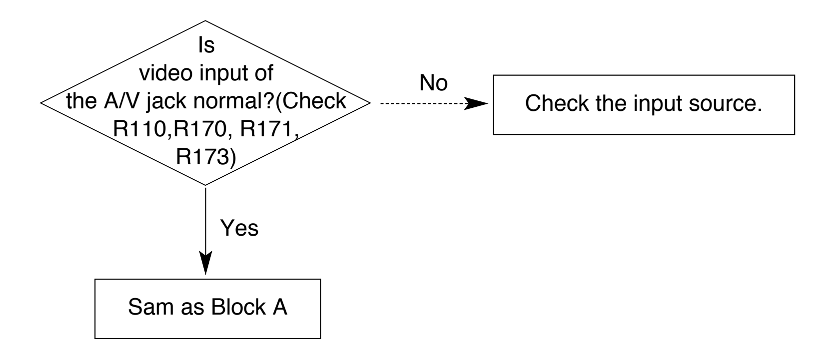
7. In case of becomes unusual display from Side S-Video mode.



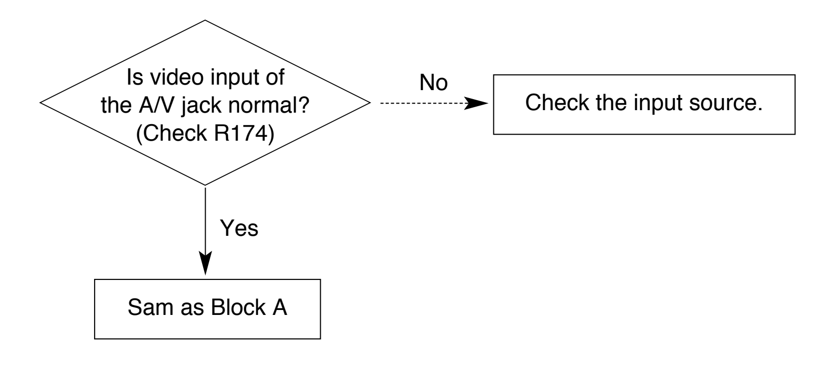
8. In case of becomes unusual display from SCART 1 mode.



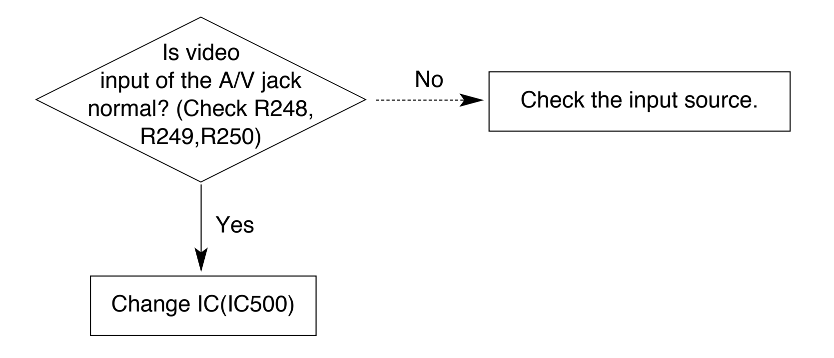
9. In case of becomes unusual display from SCART 1_RGB mode.



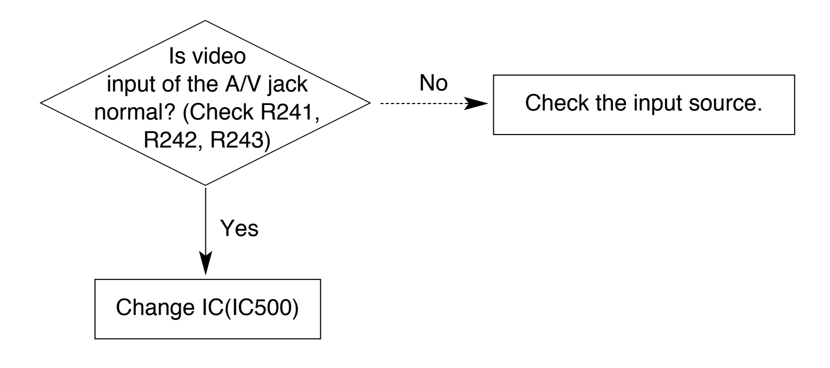
10. In case of becomes unusual display from SCART 2 mode.



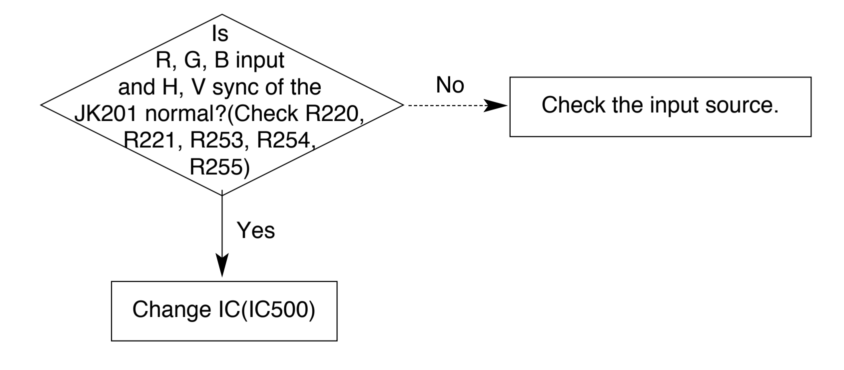
11. In case of becomes unusual display from component 1 mode.



12. In case of becomes unusual display from component 2 mode.



13. In case of becomes unusual display from RGB mode.

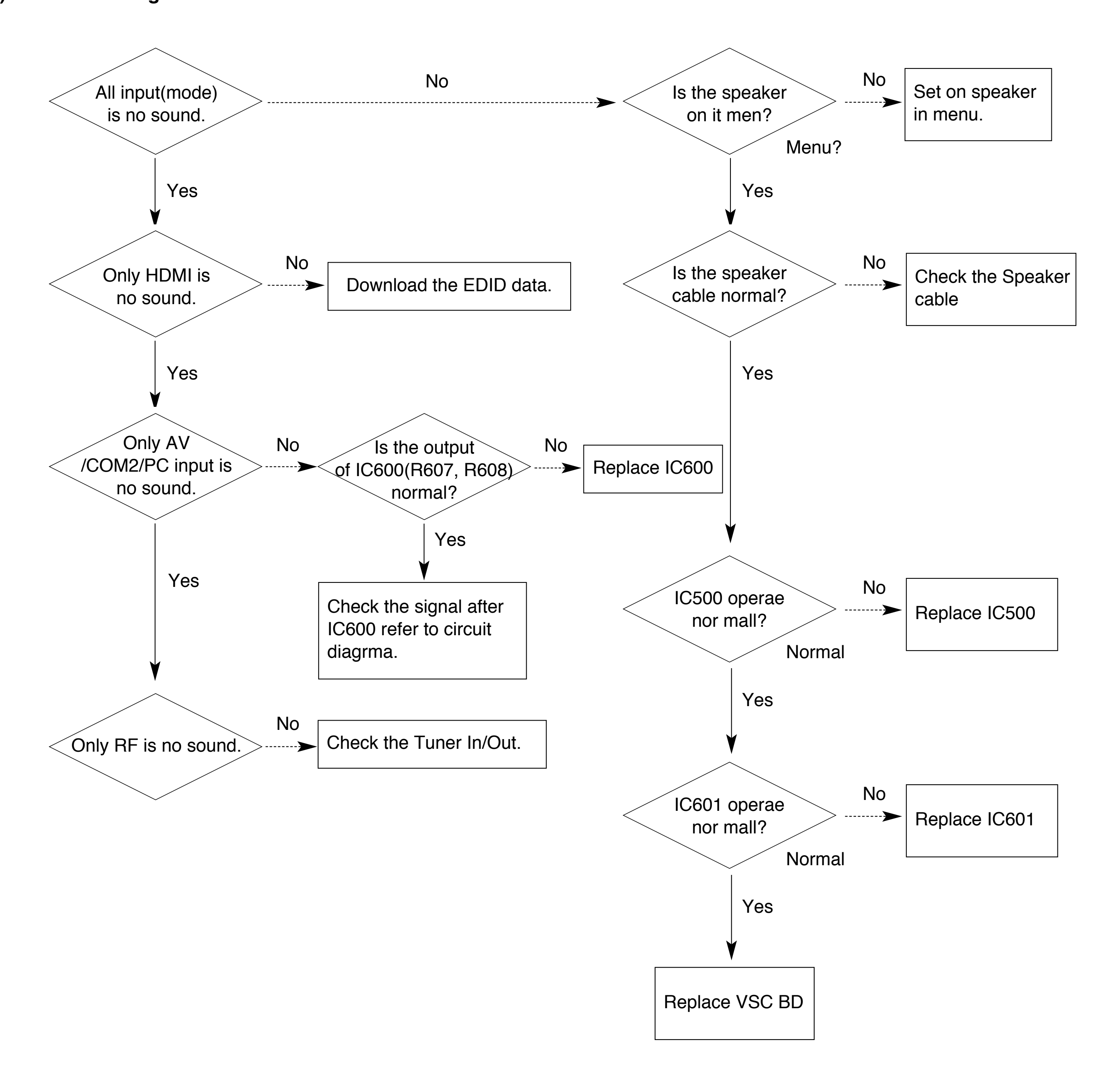


14. No Sound

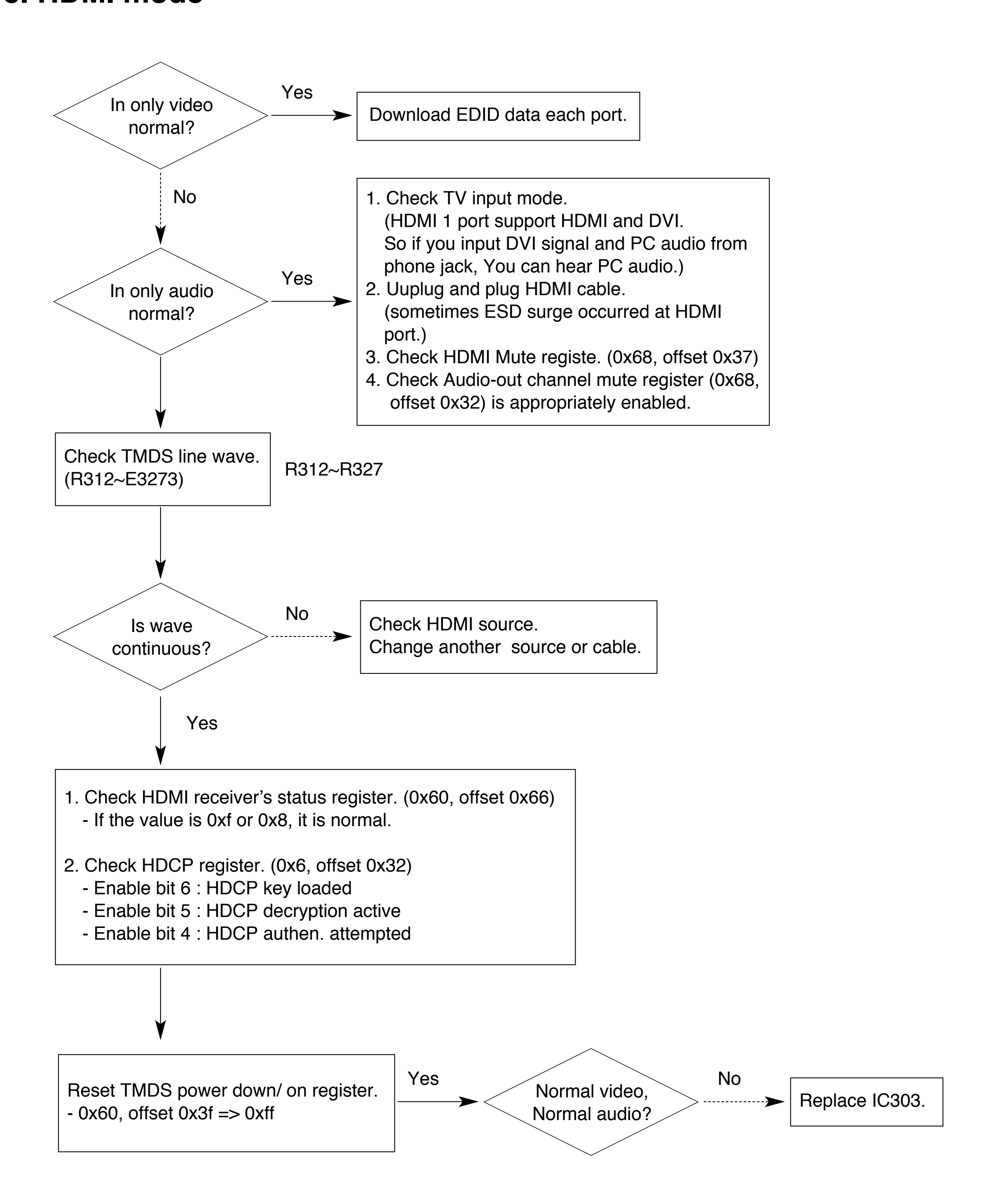
(1) Symptom

1) LED is green.
2) Screen display but sound is not output.

(2) Check following

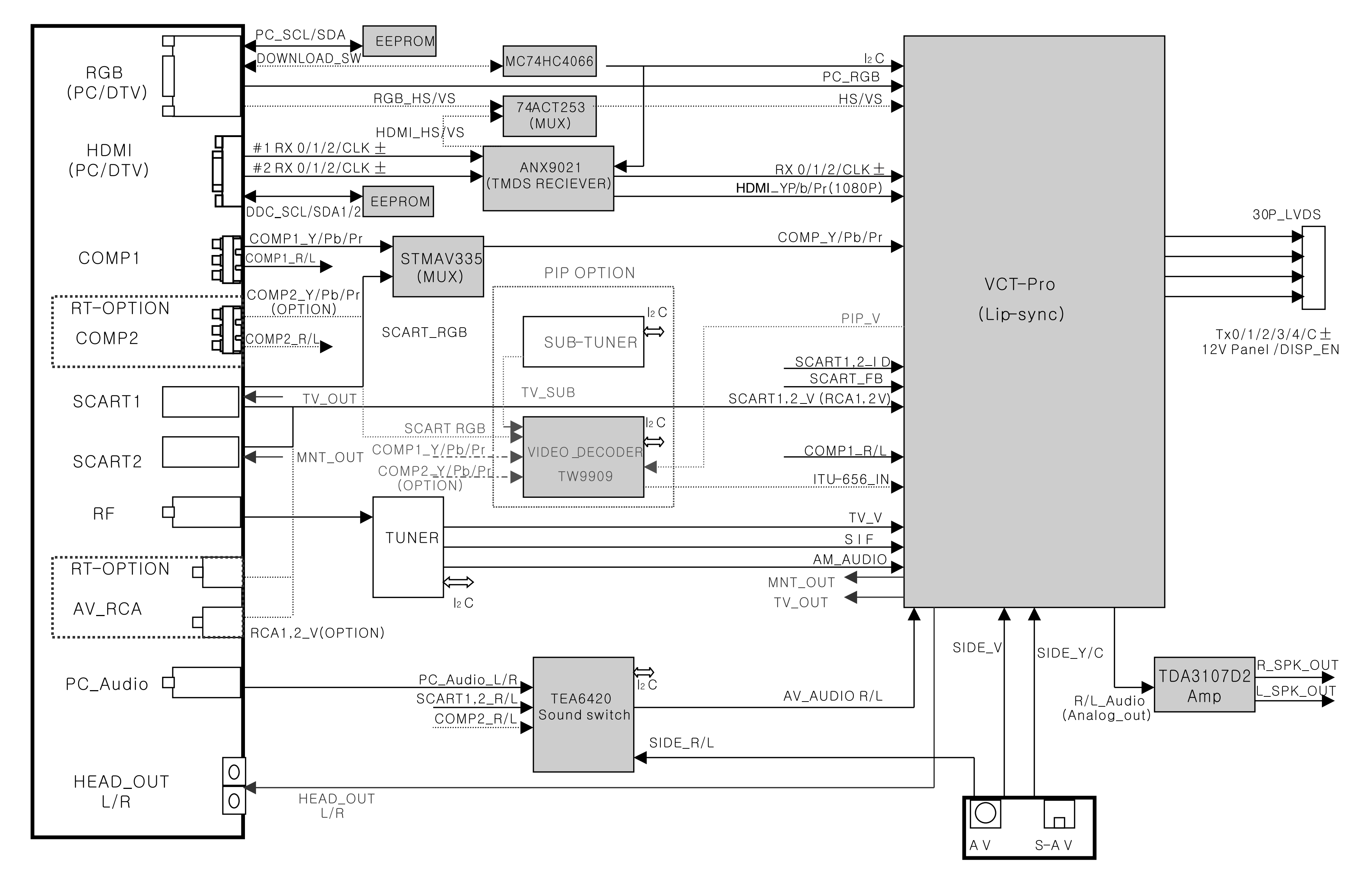


15. HDMI mode



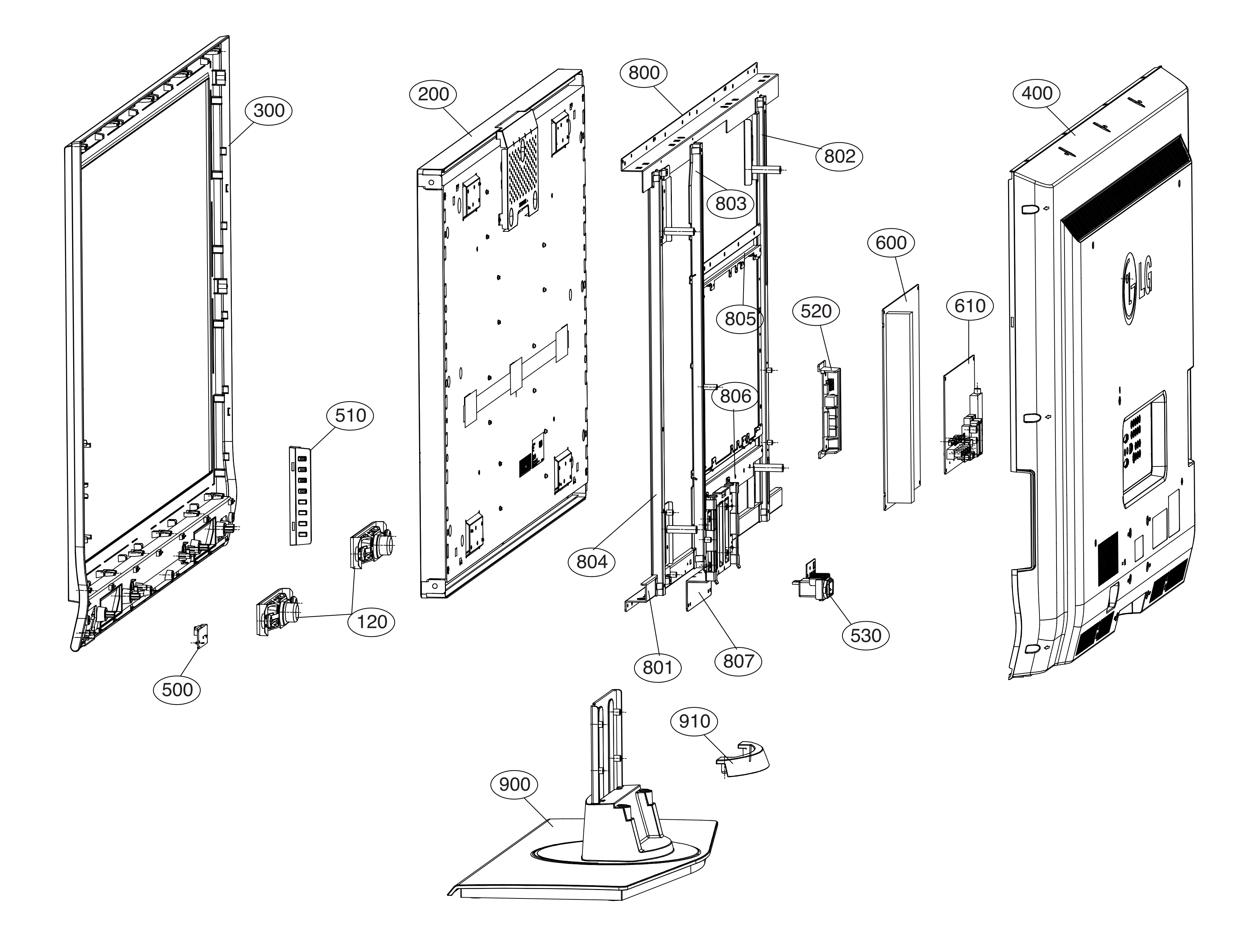
In only video normal?
Yes
Download EDID data each port.
No
In only audio normal?
Yes
1. Check TV input mode.
(HDMI 1 port support HDMI and DVI.
So if you input DVI signal and PC audio from phone jack, You can hear PC audio.)
2. Uuplug and plug HDMI cable.
(sometimes ESD surge occurred at HDMI port.)
3. Check HDMI Mute registe. (0x68, offset 0x37)
4. Check Audio-out channel mute register (0x68, offset 0x32) is appropriately enabled.
Check TMDS line wave.
(R312~E3273)
R312~R327
Is wave continuous?
No
Check HDMI source.
Change another source or cable.
Yes
1. Check HDMI receiver's status register. (0x60, offset 0x66)
- If the value is 0xf or 0x8, it is normal.
2. Check HDCP register. (0x6, offset 0x32)
- Enable bit 6 : HDCP key loaded
- Enable bit 5 : HDCP decryption active
- Enable bit 4 : HDCP authen. attempted
Reset TMDS power down/ on register.
- 0x60, offset 0x3f => 0xff
Yes
Normal video, Normal audio?
No
Replace IC303.

DIAGRAMA DE BLOQUE



MEMO

VISTA EN DESPIECE



LISTA DE PARTES EN DESPIECE

No.	PART NO.		DESCRIPTION
120		EAB33775101	Speaker,Full Range, EN1562C-6712 ND 10W 8OHM 82DB 100HZ 193.5 X 42 X 39.9 LUG KOREA TOPTONE
200	⚠	EAJ36547901	LCD,Module-TFT, LC420WX6-SLA2 WXGA 42INCH 1366X768 500CD COLOR 72% 16/9 1000:1(DCR 5000:1) 5ms(GTG),Zero RT Pol. 10000K LG PHILIPS LCD
300	⚠	ABJ31687116	Cabinet Assembly, 42LC4R-MD LP78A 42" CABINET ASSY 42LC4R-MD H4_SKD
400	⚠	ACQ31687013	Cover Assembly,Rear, 42LC4R-TA LP78A 42" 42LC4R-TA BACK COVER ASS"Y CSKD
500		EBR36474503	PCB Assembly, SUB PAKING LP78A IR For 42LC4R(600mm)
510		EBR33882501	PCB Assembly,Sub, SUB T.T LP78A H4 LCD Model . CONTROL
520		EBR36574802	PCB Assembly, SUB PAKING LP78A Side For 37/42 Inch NON-EU Model
530		EAM35501401	Filter,AC Line, IF3-N06CEWL1 5.3mH 250VAC 6A 0.22uF 1000pF UL/CSA/VDE/K HOUSING/RING BK DONG IL TECHNOLOGY LTD.
600	⚠	EAY38639601	Power Supply Assembly, LGLP42SLP 42INCH Tornado_42_10000:1 LCD Yuyang, H&E Tornado 42inch LIPS Multi 10000:1 YUYANG TELECOM CO.,LTD
		or EAY38240801	Power Supply Assembly, Tornado 42inch (100000:1) FREE Tornado 42inch (100000:1) LCD LGIT LCD Tornado 42inch_100000:1 (Power Inverter) PSU LG INNOTEK.,LTD.
610		EBR36393102	PCB Assembly,Main, MAIN PAKING LP78A 42LC4R-MD Model For NTSC SKD .
800		MGJ32902303	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC7R METAL BAR TOP FOR LPL MODULE (C/SKD OF P/NO "01")
801		MGJ32902408	Plate, PRESS EGI 1.6 FRAME SBHG-A 42LC4 METAL BAR BOTTOM (pem-nut 'NO') CSKD of P/No."03"
802		MGJ32902504	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC7 METAL BAR RIGHT C/SKD OF P/NO "02"
803		MGJ32902705	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC7 METAL BAR CENTER(pem nut 'NO') V668 module C/SKD OF P/NO"04"
804		MJH34248204	Supporter, PRESS EGI 1.2 GUIDE EGI 42LC7 METAL BAR LEFT FOR V668 MODULE C/SKD OF P/NO"01"
805		MGJ32902806	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC7(H4) METAL BAR SIDE TOP C/SKD OF P/NO "02"
806		MGJ32902905	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC7(H4) METAL BAR SIDE BOTTOM C/SKD OF P/NO "02"
807		MJH34000502	Supporter, PRESS EGI 2 GUIDE EGI 42LC4 METAL STAND SUPPORTER C/SKD OF P/NO "01"
900	⚠	AAN33050304	Base Assembly, STAND 42LB5DF-UC LA73A EV3, FHD 42LB5DF-UC STAND ASSY_NO_PRINT C/SKD(HIGH GLOSSY ROUND TYPE)
910		MCK32929601	Cover, MOLD ABS HF-380 42LC4 ABS, HF-380 CABLE MANAGEMENT

LISTA DE PARTES DE REPUESTO

DATE: 2007. 08. 31.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ACCESSORY
A1	MFL35938808	"Manual,OwnersPRINTING USER LP78A"
A2	MKJ32022840	Remote ControllerCOMPLEX LP78A 4
A21	3550V00590A	CoverMOLD ABS 50PC3DD-UE.AUSRSHR
A3	6410TUW008A	"Power CordUL_CSA,LP-31 & SVT 18X"
A4	341-746B	HolderMOLD ABS CABLE Holder
A5	486-401F	"CardPRINTING WARRANTY LG LGECB,"
A6	6910VA1001A	"Battery,AlkalineLR6(STC) 1.5V 2."
A7	MBM37323506	CardPRINTING REGISTRATION LG 32L
		CAPACITORs
C100	0CH5101K416	"Capacitor,Ceramic,ChipC2012C0G1H"
C100	0CH5101K416	"Capacitor,Ceramic,ChipC2012C0G1H"
C101	0CE476VF6DC	"Capacitor,AL,ChipVGV476M016S0ANE"
C101	0CH5101K416	"Capacitor,Ceramic,ChipC2012C0G1H"
C102	0CE476VF6DC	"Capacitor,AL,ChipVGV476M016S0ANE"
C103	0CE476VF6DC	"Capacitor,AL,ChipVGV476M016S0ANE"
C104	0CH4471K416	"Capacitor,Ceramic,ChipC2012C0G1H"
C105	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C106	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C111	0CK682CK51A	"Capacitor,Ceramic,ChipC1608Y5P1H"
C113	0CK682CK51A	"Capacitor,Ceramic,ChipC1608Y5P1H"
C114	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C115	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C116	0CE227SF6DC	"Capacitor,AL,ChipMVG6.3TP16VC220"
C117	0CE106SF6DC	"Capacitor,AL,ChipVMV106M016S0ANB"
C120	0CE106SF6DC	"Capacitor,AL,ChipVMV106M016S0ANB"
C200	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C201	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C204	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C205	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C206	0CE106WFKDC	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C211	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C212	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C213	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C214	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C215	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C216	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C217	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C218	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C219	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C220	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C221	0CK104CF56A	"Capacitor,Ceramic,Chip0603B104K1"
C222	EAE32755801	"Capacitor,Ceramic,ChipCL31A106K5"
C223	EAE32755801	"Capacitor,Ceramic,ChipCL31A106K5"
C224	EAE32755801	"Capacitor,Ceramic,ChipCL31A106K5"
C225	EAE32755801	"Capacitor,Ceramic,ChipCL31A106K5"
C226	EAE32755801	"Capacitor,Ceramic,ChipCL31A106K5"
C227	EAE32755801	"Capacitor,Ceramic,ChipCL31A106K5"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C302	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C303	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C307	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C308	0CC180CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C309	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C310	0CC180CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C311	0CE106SH6DC	"Capacitor,AL,ChipVMV106M025S0ANB"
C312	0CK103CK51A	"Capacitor,Ceramic,Chip0603B103K5"
C316	0CE106WFKDC	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C317	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C318	0CE106SH6DC	"Capacitor,AL,ChipVMV106M025S0ANB"
C319	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C320	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C321	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C322	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C400	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C401	0CC390CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C402	0CC390CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C403	0CE107SF6DC	"Capacitor,AL,ChipVMV107M016S0ANE"
C404	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C405	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C410	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C411	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C412	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C500	0CK225DD66A	"Capacitor,Ceramic,ChipLMK212JB22"
C501	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C502	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C503	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C504	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C505	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C506	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C507	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C508	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C509	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C510	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C511	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C512	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C513	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C515	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C516	0CE106WFKDC	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C517	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C518	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C519	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C520	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C521	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C522	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C525	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C526	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C527	0CE335WK6D8	"Capacitor,AL,ChipMVK4.0TP50VC3.3"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C528	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C529	0CK332CK56A	"Capacitor,Ceramic,ChipC1608X7R1H"
C530	0CK332CK56A	"Capacitor,Ceramic,ChipC1608X7R1H"
C531	0CK332CK56A	"Capacitor,Ceramic,ChipC1608X7R1H"
C532	0CK332CK56A	"Capacitor,Ceramic,ChipC1608X7R1H"
C533	0CE106WH6DC	"Capacitor,AL,ChipMVK5.0TP25VC10M"
C534	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C535	0CC560CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C536	0CC560CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C537	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C538	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C539	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C540	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C541	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C542	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C543	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C544	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C545	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C546	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C547	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C548	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C549	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C550	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C551	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C552	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C553	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C554	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C555	0CK106EF56A	"Capacitor,Ceramic,ChipC3216X7R1C"
C556	0CK106EF56A	"Capacitor,Ceramic,ChipC3216X7R1C"
C557	0CK106EF56A	"Capacitor,Ceramic,ChipC3216X7R1C"
C558	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C559	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C563	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C564	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C568	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C569	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C570	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C571	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C572	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C573	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C574	0CE475WJ6DC	"Capacitor,AL,ChipMVK4.0TP35VC4.7"
C575	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C576	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C600	0CK682CK51A	"Capacitor,Ceramic,ChipC1608Y5P1H"
C601	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C602	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C603	0CK682CK51A	"Capacitor,Ceramic,ChipC1608Y5P1H"
C604	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C606	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C607	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C608	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C609	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C610	0CE475WJ6DC	"Capacitor,AL,ChipMVK4.0TP35VC4.7"
C611	0CE475WJ6DC	"Capacitor,AL,ChipMVK4.0TP35VC4.7"
C612	0CC471CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C613	0CC471CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C614	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C616	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C617	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C618	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C619	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K5"
C620	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K5"
C621	0CK682CK51A	"Capacitor,Ceramic,ChipC1608Y5P1H"
C622	0CK682CK51A	"Capacitor,Ceramic,ChipC1608Y5P1H"
C623	0CC270CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C624	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C625	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C626	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C627	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C628	JCE8106J691	"Capacitor,AL,ChipMVK5.0TP35VC10M"
C629	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C630	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C631	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z1"
C632	0CK224DK46A	"Capacitor,Ceramic,Chip0805B224J5"
C633	0CK224DK46A	"Capacitor,Ceramic,Chip0805B224J5"
C634	0CK224DK46A	"Capacitor,Ceramic,Chip0805B224J5"
C635	0CK224DK46A	"Capacitor,Ceramic,Chip0805B224J5"
C636	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C637	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C638	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C639	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C640	0CE477BJ618	"Capacitor,AL,RadialESM477M035T1G"
C641	0CE477BJ618	"Capacitor,AL,RadialESM477M035T1G"
C642	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C643	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C644	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C645	0CK105DK94A	"Capacitor,Ceramic,Chip0805F105Z5"
C646	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C647	0CE107WJ6DC	"Capacitor,AL,ChipMVK10TP35VC100M"
C648	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C649	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C650	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C651	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C652	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C653	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C700	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H"
C701	0CE107WH6DC	"Capacitor,AL,ChipMVK8.0TP25VC100"
C701	0CE477WF6DC	"Capacitor,AL,ChipMVK10TP16VC470M"
C702	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C703	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C704	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C705	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C708	0CE226SF6DC	"Capacitor,AL,ChipVMV226M016S0ANB"
C709	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C709	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C710	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C711	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C712	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C713	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C714	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C715	0CK225DH94A	"Capacitor,Ceramic,ChipC2012Y5V22"
C801	0CE227WF6DC	"Capacitor,AL,ChipMVK8.0TP16VC220"
C804	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C805	0CK474CH94A	"Capacitor,Ceramic,Chip0603F474Z2"
C807	0CE107WH6DC	"Capacitor,AL,ChipMVK8.0TP25VC100"
C808	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C809	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C810	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C811	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C812	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C813	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C814	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C815	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C816	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C818	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C819	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C820	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C821	0CE477WF6DC	"Capacitor,AL,ChipMVK10TP16VC470M"
C822	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C823	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C824	0CE476SF6DC	"Capacitor,AL,ChipVMV476M016S0ANC"
C825	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C826	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C827	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C828	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C829	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C830	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100"
C831	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C832	0CE107SF6DC	"Capacitor,AL,ChipVMV107M016S0ANE"
C833	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K5"
C834	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C835	0CK475EF67A	"Capacitor,Ceramic,ChipC3216X5R1C"
C836	0CK226FF67A	"Capacitor,Ceramic,ChipEMK325BJ22"
C837	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C838	0CK106EF56A	"Capacitor,Ceramic,ChipC3216X7R1C"
C839	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K5"
C840	0CK272CK46A	"Capacitor,Ceramic,Chip0603B272J5"
	DIODEs	
D100	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D101	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D101	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D102	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D102	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D102	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D103	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D103	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D104	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D104	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D106	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D108	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D112	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
D200	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D201	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D202	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D203	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D204	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D205	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D206	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D207	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D208	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D209	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D210	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D211	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D214	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D215	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D216	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D217	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D218	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D219	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D220	EAH33946001	"Diode,TVSCDS3C05GTA 5.6V 6.4V 19"
D221	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A"
D224	0DSIH00028A	"Diode,SwitchingMC2838-T112-1 1.2"
D300	0DSIH00028A	"Diode,SwitchingMC2838-T112-1 1.2"
D301	0DSIH00028A	"Diode,SwitchingMC2838-T112-1 1.2"
D302	0DSIH00028A	"Diode,SwitchingMC2838-T112-1 1.2"
D600	0DSIH00028A	"Diode,SwitchingMC2838-T112-1 1.2"
D700	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D701	EAH33945901	"Diode,TVSCDS3C30GTH 30V 50V 120V"
D801	0DZKE00048A	"Diode,ZenerKDZ8.2V 8.2V 7.7TO8.7"
D803	0DR340009AA	"Diode,SchottkyMBRS340 525MV 40V"
	ICs	
IC200	0IMMRAL014D	"IC,EEPROMAT24C02BN-SH-T 2KBIT 25"
IC202	0ISTL00031A	IC AssemblyMC74HC4066ADR2G MC74H
IC203	0IFA742530B	"IC,CMOS74ACT253SC 4.5TO5.5V 0.00"
IC302	0IMMRAL014D	"IC,EEPROMAT24C02BN-SH-T 2KBIT 25"
IC303	0IPRP00735A	"IC,I/O Support ChipANX9021 3.3V"
IC304	0IMMRAL014D	"IC,EEPROMAT24C02BN-SH-T 2KBIT 25"
IC500	EAN35336801	"IC,Video ProcessorsVCT7993P- FA-"
IC501	0IMMRAL025A	"IC,EEPROMAT24C32AN-10SU-2.7 32KB"
IC502	0IFA752700A	"IC,Voltage DetectorKA75270Z 2.55"
IC600	0IPRP00665A	"IC,Bus ControllerTEA6420D 8TO10."
IC601	EAN35502001	"IC,Audio AmplifierTPA3107D2 10TO"
IC800	EAN32662801	"IC,Voltage RegulatorKA7809ERTM 3"
IC801	EAN35520901	"IC,DC,DC ConverterMP2355DN-LF-Z"
IC802	0IPMG78341A	"IC,LDO Voltage RegulatorAZ1085S-"
IC803	0IPMG78341A	"IC,LDO Voltage RegulatorAZ1085S-"
IC805	EAN34140401	"IC,LDO Voltage RegulatorAZ1085S-"
IC807	EAN32724702	"IC,Analog SwitchSTMAV340 4.0TO5."
IC809	0IPMG00049A	"IC,LDO Voltage RegulatorAZ1117H-"
	FILTERs & INDUCTORs	
AL308	6210TCE002B	"Filter,BeadHB-4M3216-121JT 120OH"
AL309	6210TCE002B	"Filter,BeadHB-4M3216-121JT 120OH"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
AL310	6210TCE002B	"Filter,BeadHB-4M3216-121JT 120OH"
AL311	6210TCE002B	"Filter,BeadHB-4M3216-121JT 120OH"
AL312	6210TCE002B	"Filter,BeadHB-4M3216-121JT 120OH"
AL313	6210TCE002B	"Filter,BeadHB-4M3216-121JT 120OH"
L100	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L101	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L102	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L103	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L107	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L108	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L200	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L201	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L202	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L203	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L204	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L205	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM"
L314	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L315	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L400	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L501	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L503	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L508	6210TCE001B	"Filter,BeadHH-1H3216-500JT 50OHM"
L509	6210TCE001B	"Filter,BeadHH-1H3216-500JT 50OHM"
L510	6210TCE001B	"Filter,BeadHH-1H3216-500JT 50OHM"
L511	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L512	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L602	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L603	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L608	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L609	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L610	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L612	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L615	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L617	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L618	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L701	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L703	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L704	6200J00005N	"Filter,BeadHH-1M2012-121JT(H:1mm"
L705	6200J00005N	"Filter,BeadHH-1M2012-121JT(H:1mm"
L706	6200J00005N	"Filter,BeadHH-1M2012-121JT(H:1mm"
L800	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L801	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L802	6210TCE001B	"Filter,BeadHH-1H3216-500JT 50OHM"
L803	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L806	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L807	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L808	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L100	0LC1032101A	"Inductor,Multilayer,ChipFI-C3216"
L600	0LCML00020C	"Inductor,Multilayer,ChipMLI-2012"
L601	0LCML00020C	"Inductor,Multilayer,ChipMLI-2012"
L605	EAP32842807	"Inductor,Wire Wound,ChipNR8040T3"
L606	EAP32842807	"Inductor,Wire Wound,ChipNR8040T3"
L613	EAP32842807	"Inductor,Wire Wound,ChipNR8040T3"
L614	EAP32842807	"Inductor,Wire Wound,ChipNR8040T3"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L810	0LCTO00019A	"Inductor,Wire Wound,ChipD75C-646"
TRANSISTORs & FETs		
Q100	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q101	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q104	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q106	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q109	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q110	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q200	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q201	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q202	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q203	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q204	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q205	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q206	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q401	0TRIH80002A	"TR,Bipolar2SA1530A-T112-1R PNP -"
Q404	0TRIH80002A	"TR,Bipolar2SA1530A-T112-1R PNP -"
Q500	0TR102009AM	"TR,BipolarKRA102S PNP -30V 0V -5"
Q501	0TRIH80002A	"TR,Bipolar2SA1530A-T112-1R PNP -"
Q502	0TRIH80002A	"TR,Bipolar2SA1530A-T112-1R PNP -"
Q503	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q504	0TRIH80002A	"TR,Bipolar2SA1530A-T112-1R PNP -"
Q600	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q601	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q602	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q603	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q701	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q800	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q801	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q803	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
Q804	0TRIY80001A	"TR,Bipolar2SC3052 NPN 6V 50V 50V"
IC301	0TFTH80001A	FETSSM6N15FU N-CHANNEL MOSFET 30
IC305	0TFTH80001A	FETSSM6N15FU N-CHANNEL MOSFET 30
IC306	0TFTH80001A	FETSSM6N15FU N-CHANNEL MOSFET 30
IC400	0TFTH80001A	FETSSM6N15FU N-CHANNEL MOSFET 30
Q700	EBK32753101	FETSI4925BDY P-CHANNEL MOSFET -3
RESISTORs		
L402	0RJ0000G676	"Resistor,ChipMCR18EZHJ00 0OHM 5%"
L710	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R1	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R1	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R100	0RH0332D622	"Resistor,ChipMCR10EZHJ330 33OHM"
R100	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R101	0RH0752D622	"Resistor,ChipMCR10EZHJ750 75OHM"
R101	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R101	0RH9101D622	"Resistor,ChipMCR10EZHJ912 9.1KOH"
R101	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R102	0RH4700D622	"Resistor,ChipMCR10EZHJ471 470OHM"
R102	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R102	0RH1101D622	"Resistor,ChipMCR10EZHJ112 1.1KOH"
R102	0RH3301D622	"Resistor,ChipMCR10EZHJ332 3.3KOH"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R102	0RH1002D622	"Resistor,ChipMCR10EZHJ103 10KOHM"
R103	0RH2203D622	"Resistor,ChipMCR10EZHJ224 220KOH"
R103	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R103	0RH5100D622	"Resistor,ChipMCR10EZHJ511 510OHM"
R103	0RH1101D622	"Resistor,ChipMCR10EZHJ112 1.1KOH"
R103	0RH3301D622	"Resistor,ChipMCR10EZHJ332 3.3KOH"
R103	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R104	0RH4700D622	"Resistor,ChipMCR10EZHJ471 470OHM"
R104	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R104	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R104	0RH9101D622	"Resistor,ChipMCR10EZHJ912 9.1KOH"
R104	0RH1002D622	"Resistor,ChipMCR10EZHJ103 10KOHM"
R105	0RH2203D622	"Resistor,ChipMCR10EZHJ224 220KOH"
R105	0RH1001D622	"Resistor,ChipMCR10EZHJ102 1KOHM"
R105	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R105	0RH9101D622	"Resistor,ChipMCR10EZHJ912 9.1KOH"
R105	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R106	0RH0332D622	"Resistor,ChipMCR10EZHJ330 33OHM"
R106	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R106	0RH1101D622	"Resistor,ChipMCR10EZHJ112 1.1KOH"
R106	0RH3301D622	"Resistor,ChipMCR10EZHJ332 3.3KOH"
R106	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R107	0RH0752D622	"Resistor,ChipMCR10EZHJ750 75OHM"
R107	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R107	0RH1101D622	"Resistor,ChipMCR10EZHJ112 1.1KOH"
R107	0RH3301D622	"Resistor,ChipMCR10EZHJ332 3.3KOH"
R108	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R108	0RH0332D622	"Resistor,ChipMCR10EZHJ330 33OHM"
R108	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R108	0RH9101D622	"Resistor,ChipMCR10EZHJ912 9.1KOH"
R109	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R109	0RH0752D622	"Resistor,ChipMCR10EZHJ750 75OHM"
R110	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R110	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R113	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R120	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R122	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R133	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R141	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R148	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R149	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R150	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R151	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R152	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R154	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R161	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R162	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R165	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R168	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R169	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R172	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R172	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R2	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R2	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R200	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R201	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R202	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R203	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R204	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R205	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R206	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R207	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R208	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R209	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R211	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R212	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R213	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R216	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R219	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R220	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R221	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R222	0RJ2200D677	"Resistor,ChipMCR03EZPJ221 220OHM"
R223	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R227	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R228	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R229	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R230	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R231	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R232	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R233	0RJ2200D677	"Resistor,ChipMCR03EZPJ221 220OHM"
R234	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R235	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOH"
R241	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R241	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R242	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R242	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R243	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R243	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R244	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R245	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R246	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R247	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R248	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R248	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R249	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R249	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R250	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R250	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R251	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R252	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R253	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R254	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R255	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R256	0RJ1502D677	"Resistor,ChipMCR03EZPJ153 15KOHM"
R257	0RJ6801D677	"Resistor,ChipMCR03EZPJ682 6.8KOH"
R258	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOH"
R259	0RJ1502D677	"Resistor,ChipMCR03EZPJ153 15KOHM"
R260	0RJ6801D677	"Resistor,ChipMCR03EZPJ682 6.8KOH"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R261	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOH"
R262	0RJ1502D677	"Resistor,ChipMCR03EZPJ153 15KOHM"
R263	0RJ6801D677	"Resistor,ChipMCR03EZPJ682 6.8KOH"
R264	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOH"
R265	0RJ1502D677	"Resistor,ChipMCR03EZPJ153 15KOHM"
R266	0RJ6801D677	"Resistor,ChipMCR03EZPJ682 6.8KOH"
R267	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOH"
R268	0RJ1502D677	"Resistor,ChipMCR03EZPJ153 15KOHM"
R269	0RJ6801D677	"Resistor,ChipMCR03EZPJ682 6.8KOH"
R270	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOH"
R271	0RJ1502D677	"Resistor,ChipMCR03EZPJ153 15KOHM"
R272	0RJ6801D677	"Resistor,ChipMCR03EZPJ682 6.8KOH"
R273	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOH"
R3	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R300	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R301	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R302	0RJ4702D677	"Resistor,ChipMCR03EZPJ473 47KOHM"
R303	0RJ4702D677	"Resistor,ChipMCR03EZPJ473 47KOHM"
R304	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R305	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R306	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R307	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R308	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R310	0RJ4702D677	"Resistor,ChipMCR03EZPJ473 47KOHM"
R311	0RJ4702D677	"Resistor,ChipMCR03EZPJ473 47KOHM"
R312	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R313	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R314	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R315	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R316	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R317	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R318	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R319	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R320	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R321	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R322	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R323	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R324	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R325	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R326	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R327	0RJ0122D677	"Resistor,ChipMCR03EZPJ120 12OHM"
R328	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R329	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R330	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R331	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R332	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R333	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R334	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R335	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R336	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R337	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R338	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R339	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"
R340	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM"

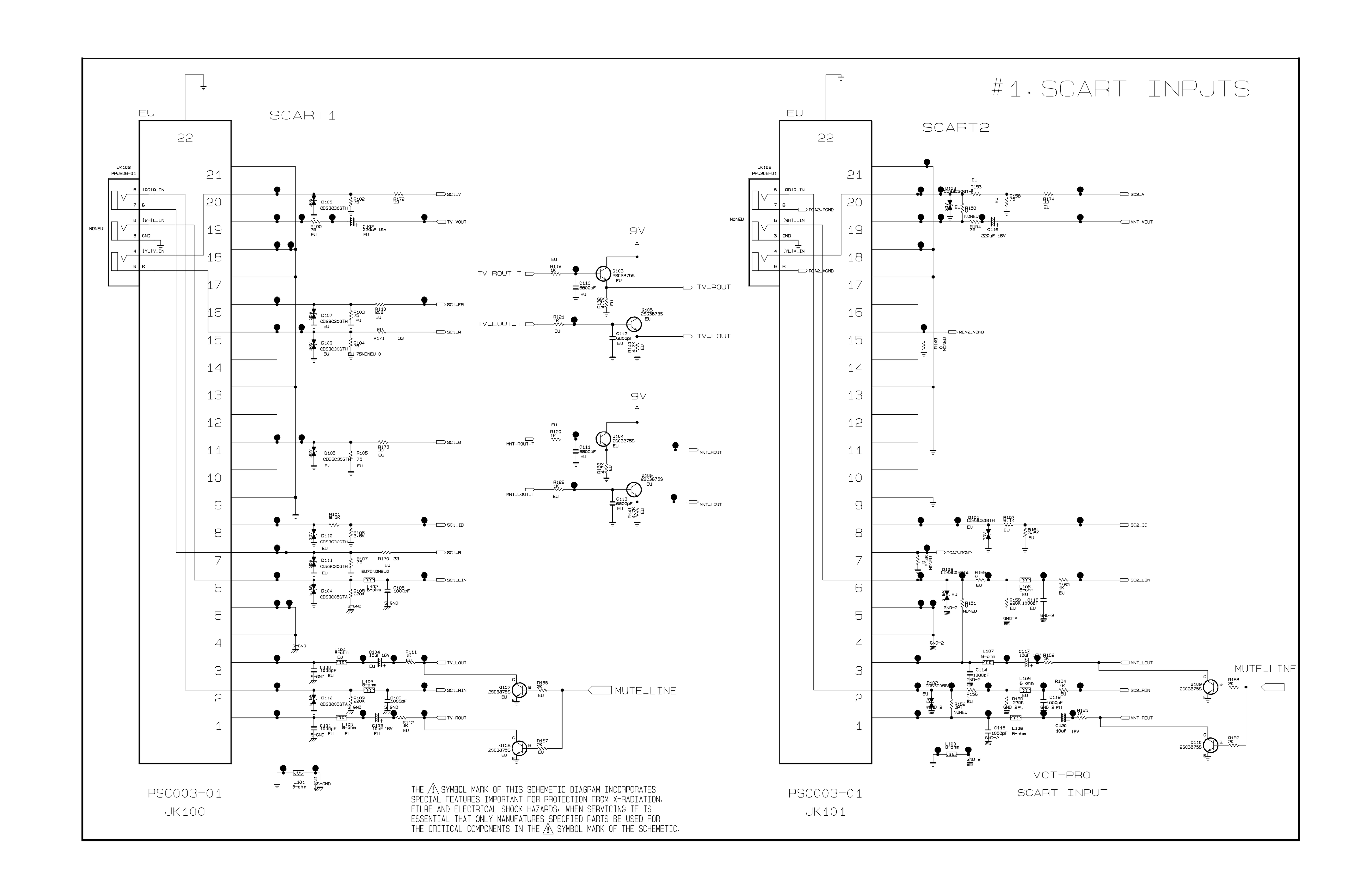
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R341	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R342	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R344	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R345	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM"
R346	0RJ1004D677	"Resistor,ChipMCR03EZPJ105 1MOHM"
R347	0RJ3300D677	"Resistor,ChipMCR03EZPJ331 330OHM"
R349	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R350	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R352	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R353	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM"
R354	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM"
R355	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R356	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM"
R358	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R359	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM"
R361	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R362	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R363	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R364	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R365	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R366	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R367	0RJ0392D677	"Resistor,ChipMCR03EZPJ390 39OHM"
R368	0RJ0392D677	"Resistor,ChipMCR03EZPJ390 39OHM"
R369	0RJ0392D677	"Resistor,ChipMCR03EZPJ390 39OHM"
R370	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R371	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R4	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R401	0RJ3300D677	"Resistor,ChipMCR03EZPJ331 330OHM"
R402	0RJ3300D677	"Resistor,ChipMCR03EZPJ331 330OHM"
R403	0RJ0000G676	"Resistor,ChipMCR18EZHJ00 0OHM 5%"
R404	0RJ7501D677	"Resistor,ChipMCR03EZPJ752 7.5KOH"
R405	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R408	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"
R412	0RJ0822D677	"Resistor,ChipMCR03EZPJ820 82OHM"
R413	0RJ2200D677	"Resistor,ChipMCR03EZPJ221 220OHM"
R422	0RJ2200D677	"Resistor,ChipMCR03EZPJ221 220OHM"
R424	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R5	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R503	0RJ2000D477	"Resistor,ChipMCR03EZPF201 200OHM"
R504	0RJ1500D677	"Resistor,ChipMCR03EZPJ151 150OHM"
R505	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"
R506	0RJ1500D677	"Resistor,ChipMCR03EZPJ151 150OHM"
R508	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R509	0RJ2000D477	"Resistor,ChipMCR03EZPF201 200OHM"
R510	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R511	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R512	0RJ1802D677	"Resistor,ChipMCR03EZPJ183 18KOHM"
R513	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R514	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R515	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R516	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R517	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R518	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R519	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"

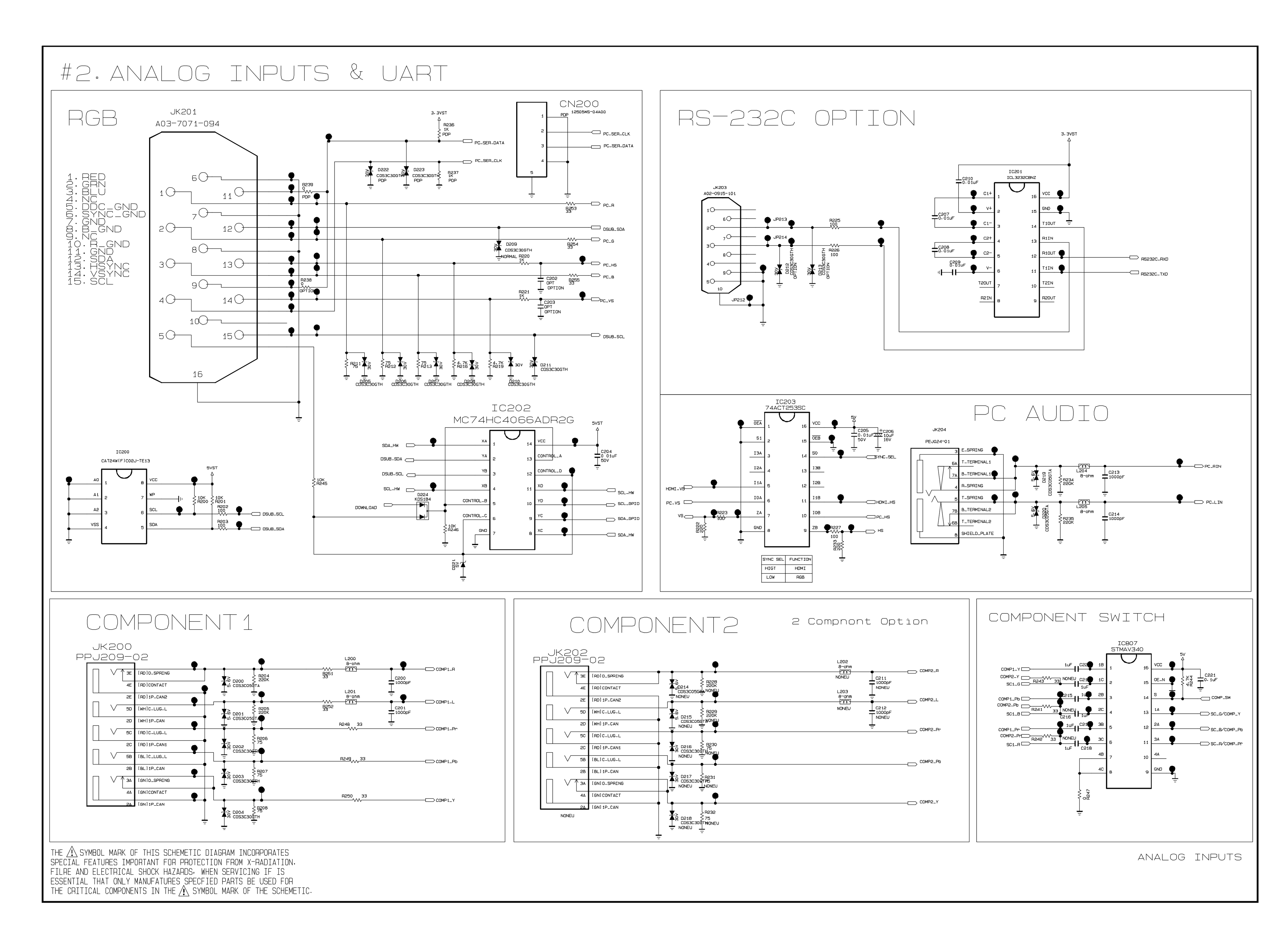
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R520	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R521	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R522	0RJ6201D677	"Resistor,ChipMCR03EZPJ622 6.2KOH"
R523	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R524	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R527	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R528	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R529	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R530	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R531	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R532	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R533	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R534	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R535	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM"
R536	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM"
R537	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R538	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R540	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R541	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R542	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R543	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R544	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R545	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R546	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R547	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R548	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R549	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R550	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R551	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R552	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R553	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R554	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R555	0RJ4702D677	"Resistor,ChipMCR03EZPJ473 47KOHM"
R556	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R557	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R558	0RJ8201D677	"Resistor,ChipMCR03EZPJ822 8.2KOH"
R559	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R560	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R561	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R563	0RJ3001D677	"Resistor,ChipMCR03EZPJ302 3KOHM"
R564	0RJ3001D677	"Resistor,ChipMCR03EZPJ302 3KOHM"
R570	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R573	0RJ2702D677	"Resistor,ChipMCR03EZPJ273 27KOHM"
R574	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R6	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R600	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R601	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R602	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R604	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R605	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R606	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R607	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R608	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R609	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"

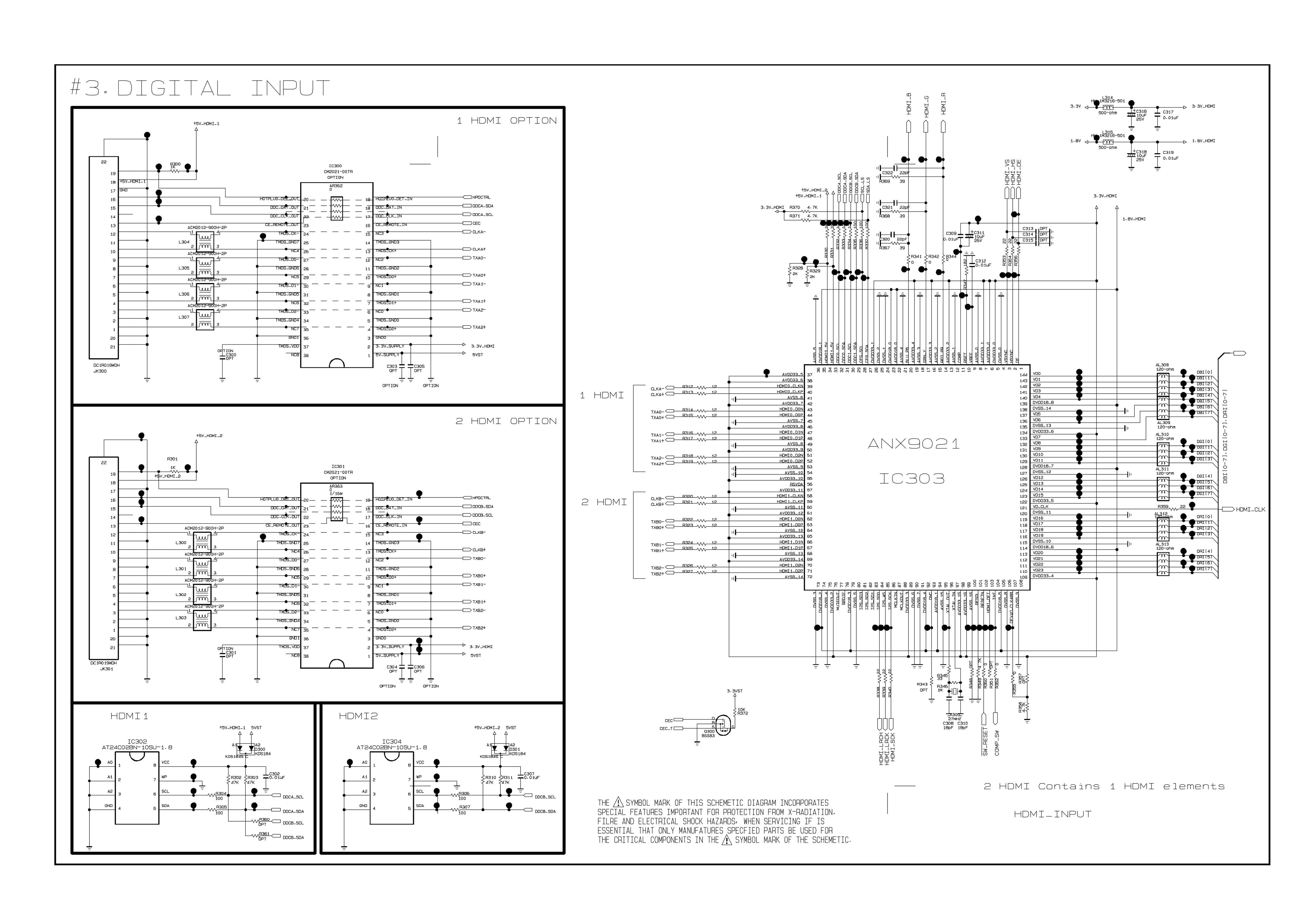
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R610	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R611	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R612	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R613	0RJ4703D677	"Resistor,ChipMCR03EZPJ474 470KOH"
R614	0RJ4703D677	"Resistor,ChipMCR03EZPJ474 470KOH"
R615	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R616	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R617	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R618	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R620	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R621	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R622	0RJ1000D477	"Resistor,ChipMCR03EZPF101 100OHM"
R623	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R624	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R625	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R626	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R627	0RJ3001D677	"Resistor,ChipMCR03EZPJ302 3KOHM"
R628	0RJ3001D677	"Resistor,ChipMCR03EZPJ302 3KOHM"
R629	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R631	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R633	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R634	0RJ1003D677	"Resistor,ChipMCR03EZPJ104 100KOH"
R635	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R636	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R7	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R705	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R706	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R708	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R709	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
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R711	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R712	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R713	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R714	0RJ1202D677	"Resistor,ChipMCR03EZPJ123 12KOHM"
R715	0RJ1202D677	"Resistor,ChipMCR03EZPJ123 12KOHM"
R716	0RJ1202D677	"Resistor,ChipMCR03EZPJ123 12KOHM"
R717	0RJ1102D677	"Resistor,ChipMCR03EZPJ113 11KOHM"
R718	0RJ4702D677	"Resistor,ChipMCR03EZPJ473 47KOHM"
R718	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOH"
R719	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R720	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R722	0RJ2002D677	"Resistor,ChipMCR03EZPJ203. 20KOH"
R723	0RJ2002D677	"Resistor,ChipMCR03EZPJ203. 20KOH"
R725	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R726	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R8	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5"
R802	0RJ3302D677	"Resistor,ChipMCR03EZPJ333 33KOHM"
R806	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM"
R807	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R808	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R809	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R811	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM"
R812	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R814	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"

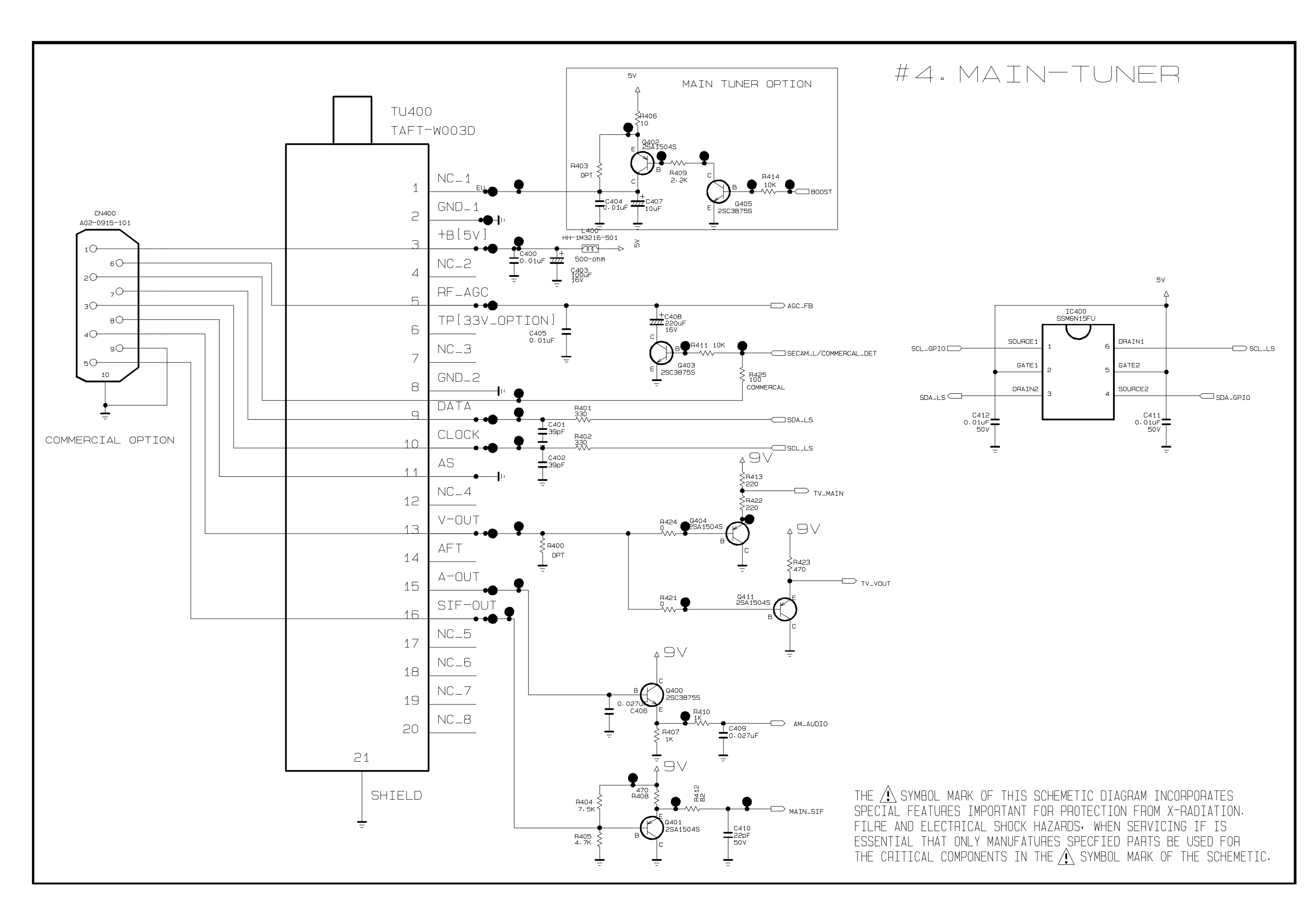
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R815	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R817	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R818	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R821	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R823	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R825	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R826	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM"
R827	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R828	0RJ1201D677	"Resistor,ChipMCR03EZPJ122 1.2KOH"
R831	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R832	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5"
R833	0RJ6802D677	"Resistor,ChipMCR03EZPJ683 68KOHM"
R834	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R835	0RJ7501D677	"Resistor,ChipMCR03EZPJ752 7.5KOH"
	CONNECTORs	
C1	6631900048A	"Harness,SingleSMH200-4P SMH200-4"
C10	EAD36105801	"Harness,SingleSMH250-13 SMH250-1"
C11	6631900013C	"Harness,SingleSMH200 SMH200 200m"
C2	EAD35983201	"Harness,Single12505HS 12505HS 60"
C3	EAD35683003	"Harness,SingleLVDS LPL STD_300MM"
C4	EAD35908101	"Harness,Single35001HS-02L 65002H"
C5	EAD35908402	"Harness,SingleHigh Power cable(U"
C6	6631900012E	"Harness,SingleSMH250 SMH250 300m"
C7	6631T25023X	"Harness,SingleSMH250 35097_35098"
C8	6631T25026B	"Harness,Single6631T25026B SMH250"
C9	EAD35983001	"Harness,Single12507HS-04L SMH200"
CN600	6602T25008B	"Connector,WaferSMW250-03P 3P 2.5"
CN601	6602T25008C	"Connector,WaferSMW250-04P 4P 2.5"
CN700	6630VF00530	"Connector,Wafer12507WR-30A00 30P"
CN702	6602T12004G	"Connector,Wafer12505WS-08A00 8P"
CN703	6602T20009L	"Connector,WaferSMAW200-12P 12P 2"
CN800	6602T25008N	"Connector,WaferSMW250-14P 14P 2."
CN801	6602T25008J	"Connector,WaferSMW250-10P 10P 2."
JK201	6630TGA004K	"Connector,DSUBKCN-DS-1-0089 D-SU"
P100	6602T20009C	"Connector,WaferSMAW200-04P 4P 2."
P100	6602T12005G	"Connector,Wafer12505WR-08A00 8P"
P101	6602T20009C	"Connector,WaferSMAW200-04P 4P 2."
P101	6602T20009L	"Connector,WaferSMAW200-12P 12P 2"
	JACKs	
J100	6612J10033A	"Jack,ComplexPMJ016-13 13P DIN/RC"
JK102	6612J10003Y	"Jack,RCAPPJ216-01 14.0MM 1RX3C S"
JK103	6612J10003M	"Jack,RCAPPJ206-01 14.0MM 1RX3C S"
JK200	6612J10031A	"Jack,RCAPPJ209-02 14.0MM 1RX5C S"
JK202	6612J10031A	"Jack,RCAPPJ209-02 14.0MM 1RX5C S"
JK204	6612F00099A	"Jack,PhonePEJ024-01 1P 4P STRAIG"
JK300	6612B00015C	"Jack,DINDC1R019WDH. SOCKET 21P S"
JK301	6612B00015C	"Jack,DINDC1R019WDH. SOCKET 21P S"
JK600	6612J10043A	"Jack,RCAPPJ200-07 15MM 1RX4C ANG"

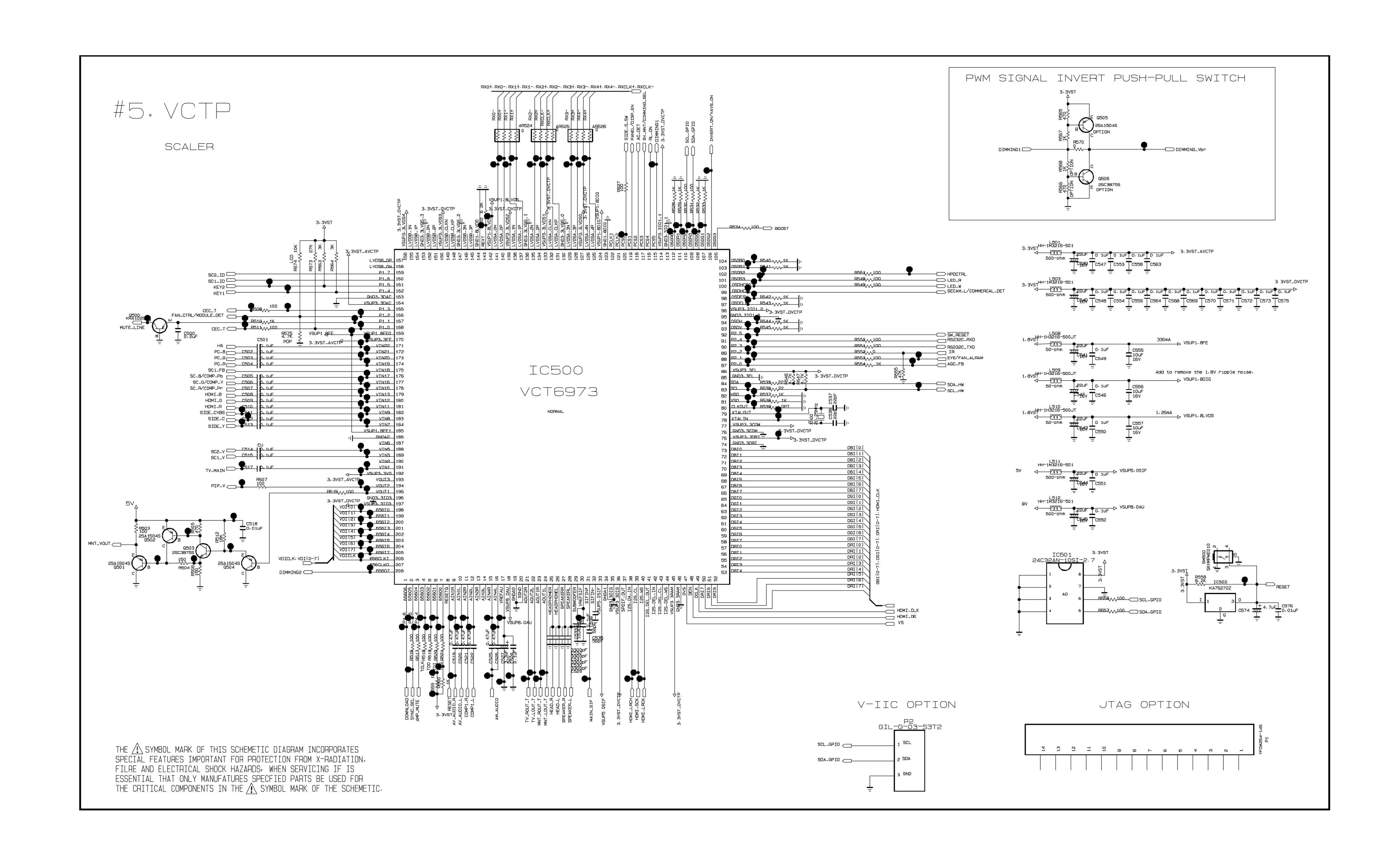
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
	SWITCHs	
SW101	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW102	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW103	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW104	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW105	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW106	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW107	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
SW108	140-313B	"Switch,TactKPT-1115AM 1C1P 12VDC"
	OTHERs	
B1	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B2	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B3	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B4	3890TKD002Z	BoxBOX SW 586 356 486 1 COLOR C/
B5	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B6	MAY32943811	BoxBOX DW 1087 180 338 NO PRINTI
B7	MAY34260601	BoxBOX DW 1103 836 358 2 COLOR 4
D100	0DLBE0138AA	"LED,DIPBL-BUBGE301 ROUND 3MM SUP"
D800	0DL233309AC	"LED,ChipSAM2333 RED/Y-GREEN 2.7V"
IC100	6712000013A	Receiver ModuleTSOP4438SO1 4.5TO
P1	3918TKK038J	Packing538*390 LB500J PCB
P10	3918TKK040A	Packing542*70 MAIN PCB(B)
P11	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P12	3918TKK038J	Packing538*390 LB500J PCB
P13	MFZ37372403	PackingBOX DW 584 50 486 NO PRIN
P14	3918TKK038J	Packing538*390 LB500J PCB
P15	3918TKK040A	Packing542*70 MAIN PCB(B)
P16	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P2	3918TKK040A	Packing542*70 MAIN PCB(B)
P3	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P4	3918TKK038J	Packing538*390 LB500J PCB
P5	3918TKK040A	Packing542*70 MAIN PCB(B)
P6	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P7	400-C02H	PackingCOMPLEX 42LB9 SW -
P8	MFZ32949101	PackingMOLD EPS 42LC4 EPS 42LC4
P9	3918TKK038J	Packing538*390 LB500J PCB
SW1	SAA30916404	"S/W,Firmware3.02 9312 CENTRAL AN"
TU400	EBL35311216	"Tuner,Tuner/ModulatorTAFT-H005F"
X300	6202TST001H	CrystalSX-1 27MHZ 30PPM 27MHZ 30
X500	6202VDT002P	CrystalHC-49/SM 20.25000MHZ 20.2

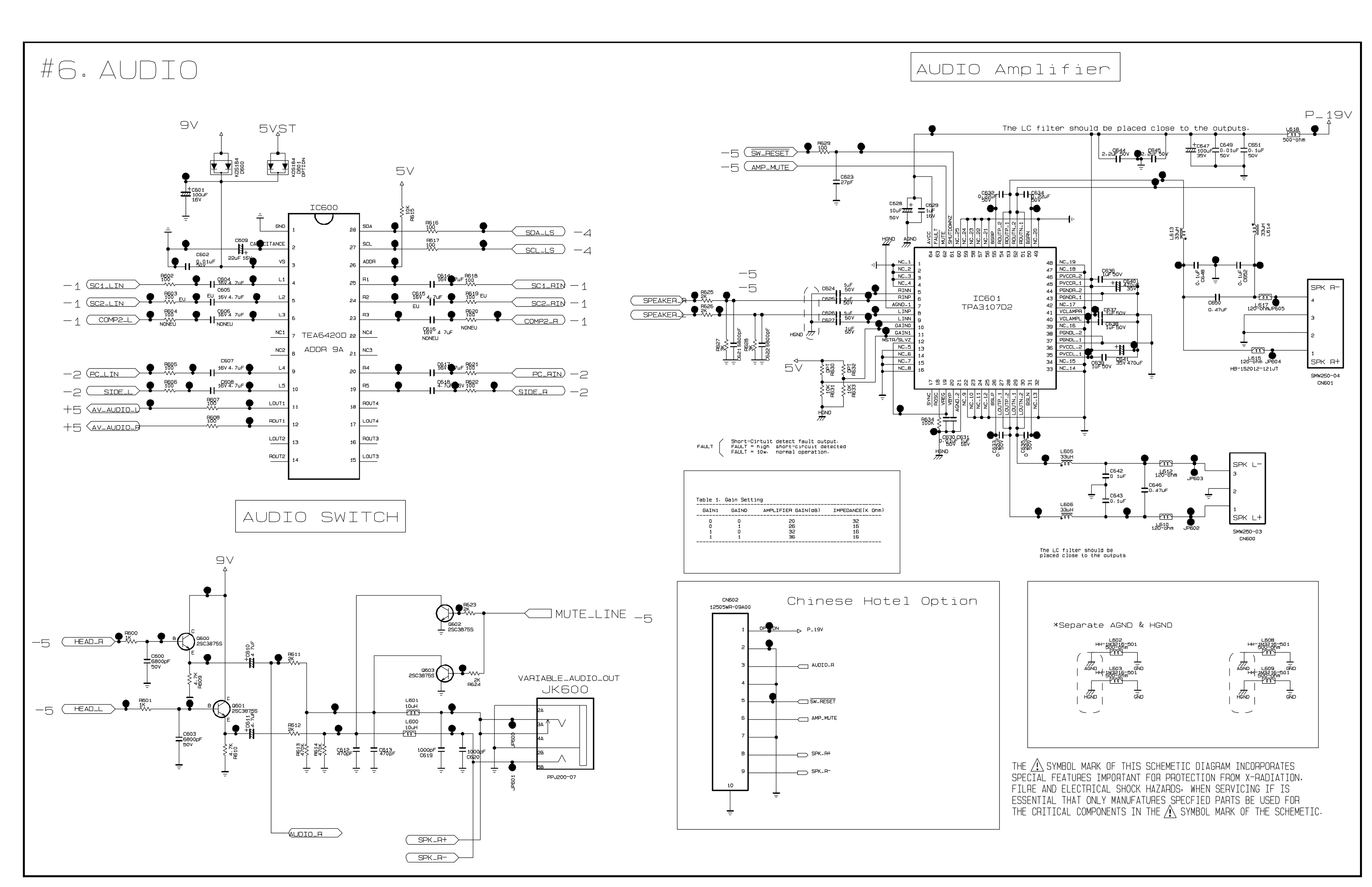

#1. SCART INPUTS
SCART1
SCART2
MUTE_LINE
PSC003-01
JK100
JK101
VCT-PRO
SCART INPUT
THE ⚠ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FILRE AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING IF IS ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.

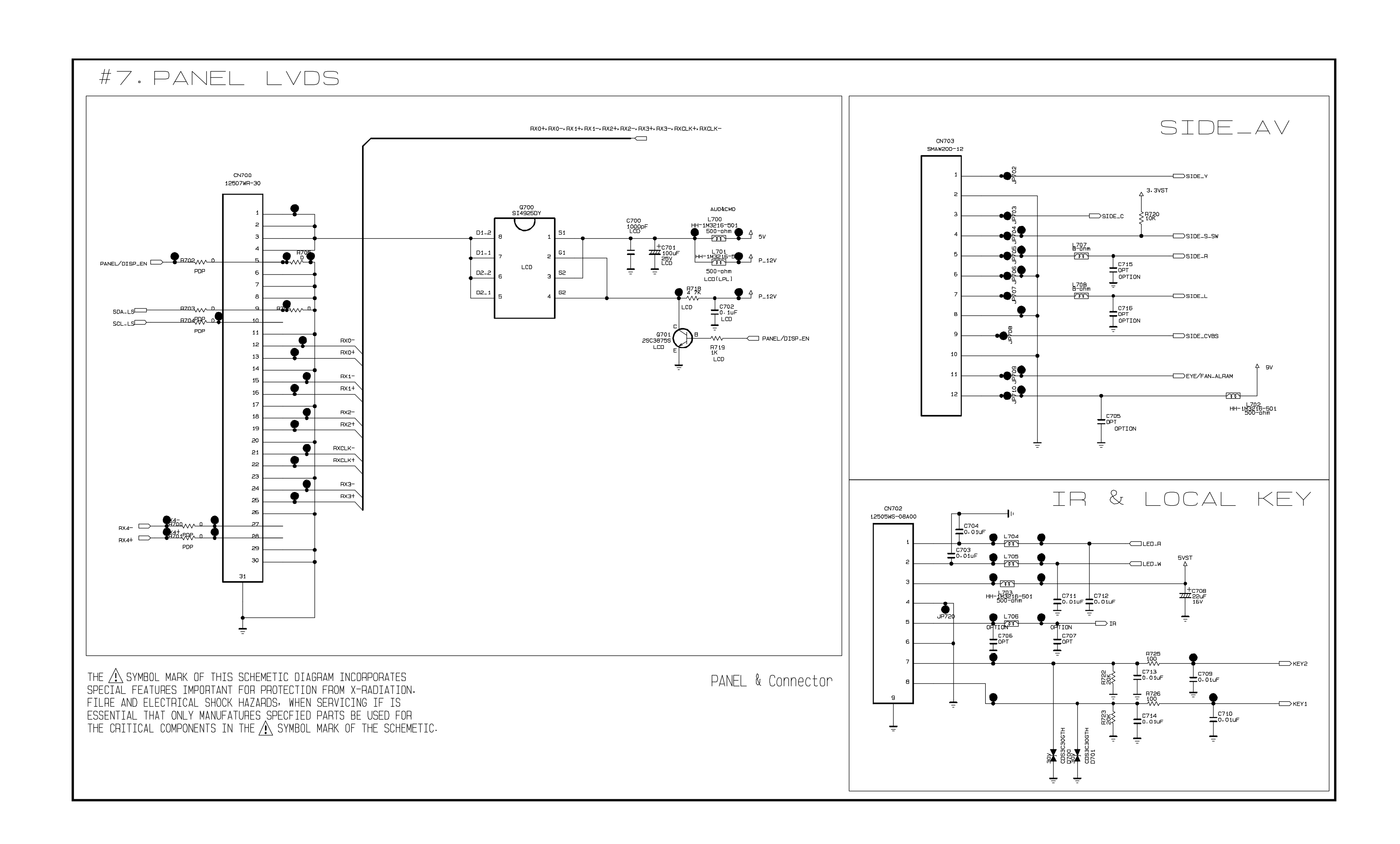

#2. ANALOG INPUTS & UART
RGB
RS-232C OPTION
PC AUDIO
IC202
MC74HC4066ADR2G
COMPONENT1
COMPONENT2
2 Compnont Option
COMPONENT SWITCH
ANALOG INPUTS

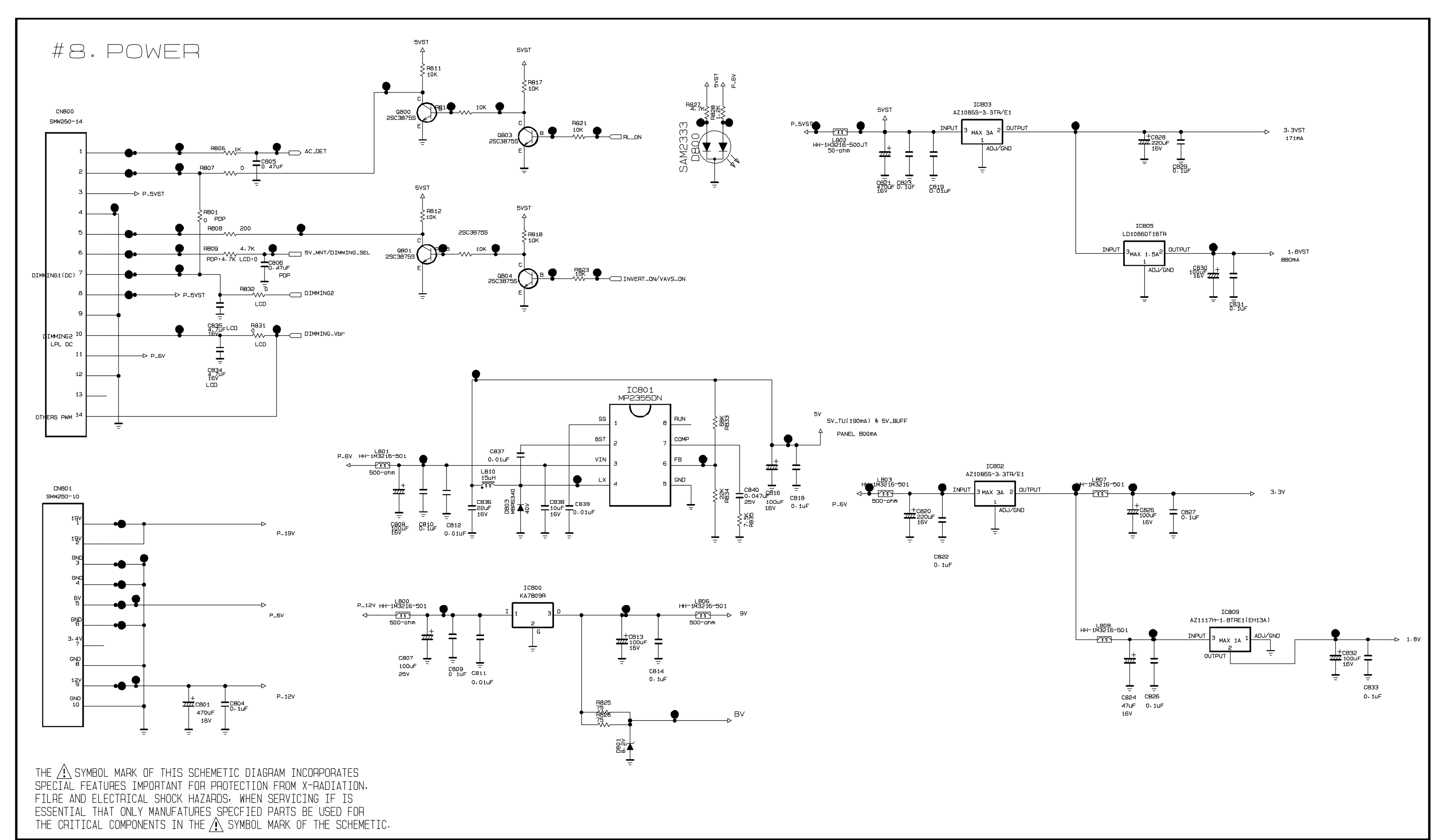

#3. DIGITAL INPUT
1 HDMI OPTION
2 HDMI OPTION
HDMI1
HDMI2
1 HDMI
2 HDMI
ANX9021
IC303
2 HDMI Contains 1 HDMI elements
HDMI_INPUT

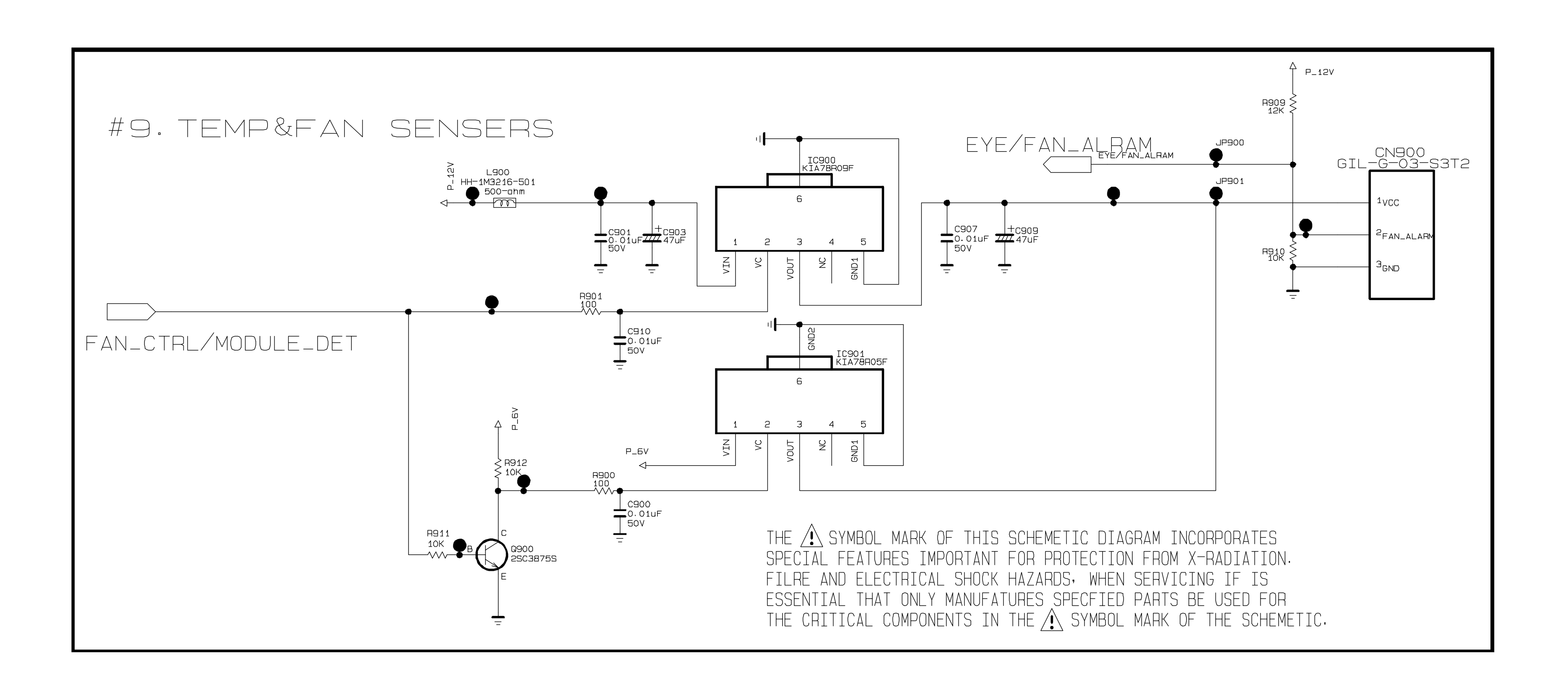

#4. MAIN-TUNER
TU400
TAFT-W003D
MAIN TUNER OPTION
COMMERCIAL OPTION
NC_1
GND_1
+B(5V)
NC_2
RF_AGC
TP(33V_OPTION)
NC_3
GND_2
DATA
CLOCK
AS
NC_4
V-OUT
AFT
A-OUT
SIF-OUT
NC_5
NC_6
NC_7
NC_8
SHIELD
THE ⚠ SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FILRE AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING IF IS ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.

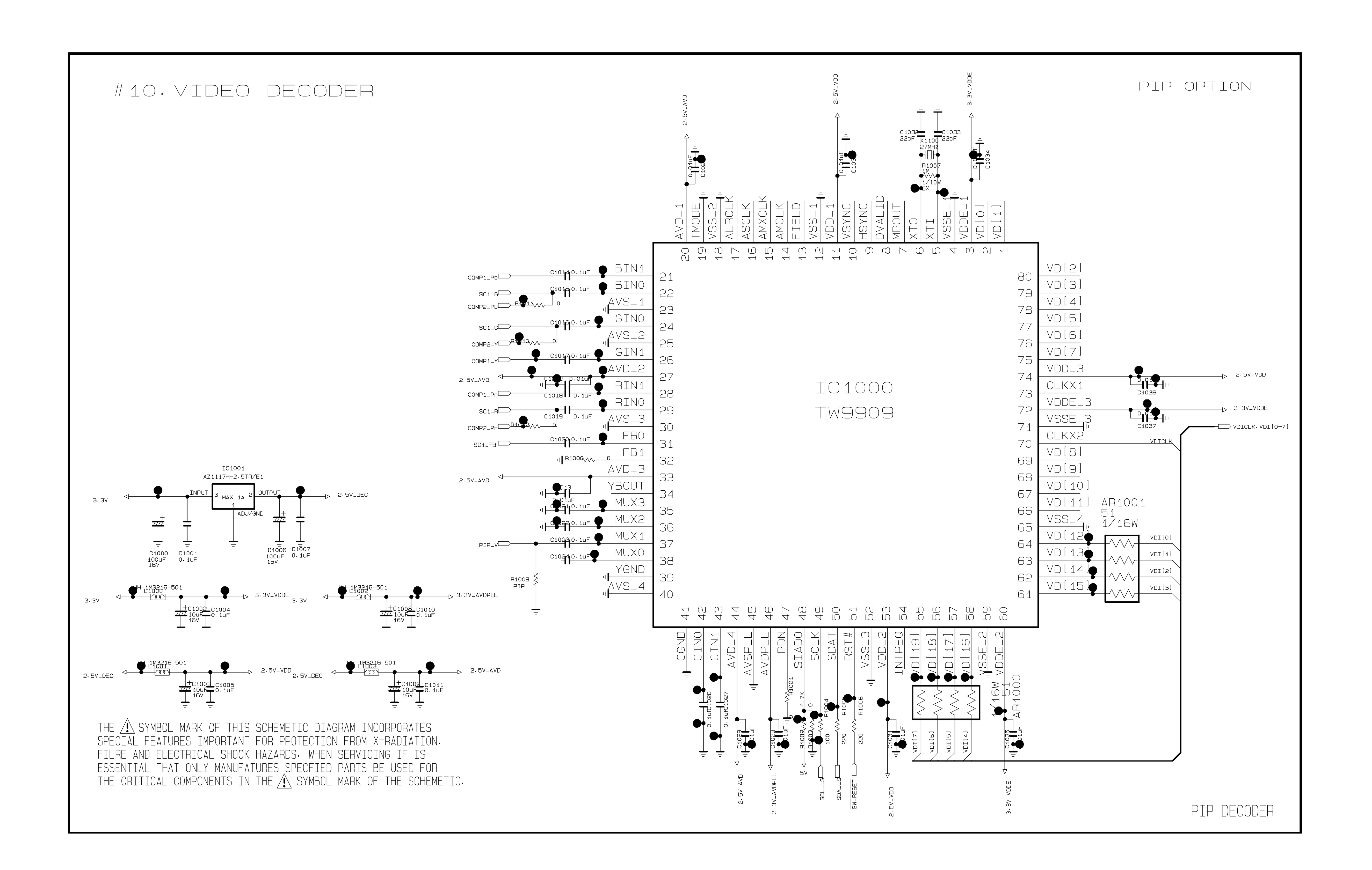

#5. VCTP
SCALER
PWM SIGNAL INVERT PUSH-PULL SWITCH
IC500
VCT6973
V-IIC OPTION
JTAG OPTION
THE SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMETIC.


#6. AUDIO
AUDIO Amplifier
9V
5VST
5V
IC600
TEA6420D
ADDR 9A
AUDIO SWITCH
IC601
TPA3107D2
Chinese Hotel Option
*Separate AGND & HGND
VARIABLE_AUDIO_OUT
JK600
MUTE_LINE
THE SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMETIC.


#7. PANEL LVDS
SIDE_AV
IR & LOCAL KEY
PANEL & Connector
THE SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMETIC.


#8. POWER
IC801
MP2365DN
THE SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMETIC.


#9. TEMP&FAN SENSERS
FAN_CTRL/MODULE_DET
EYE/FAN_ALRAM
IC900
KIA78R09F
IC901
KIA78R05F
CN900
GIL-G-03-S3T2
Q900
2SC3875S
THE ⚠ SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.


#10. VIDEO DECODER
PIP OPTION
IC1000
TW9909
AR1001
IC1001
THE ⚠ SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.
PIP DECODER



P/NO : MFL39465904

Aug., 2007
Printed in Korea